FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 1620.—Vol. XXXVI.

LONDON, SATURDAY, SEPTEMBER 8, 1866.

STAMPEDSIXPENCE. UNSTAMPED..FIVEPENCE.

TR. JAMES CROFTS, STOCK AND SHAREBROKER,
No. 1, FINCH LANE, CORNHILL.
(Established 23 years.)
(Established 23 years.)
(Established 23 years.)
(Established 23 years.)
(Established 24 years.)
(Established 25 years.)
(Established 26 years.)
(Established 28 years.)
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R. JAMES LANE, No. 44, THREADNEEDLE STREET,
LUNDON, 16.C.

R. JAMES LANE LANE, No. 44, THREADNEEDLE STREET,
LUNDON, 16.C.

S. 1. 10 Crebor, 14. 6d; 10 Chiverton, 25; 50 Childre, 21; 10 Camborne
10., 36.; 10 Crebor, 14. 6d; 10 Chiverton, 25; 50 Childre, 2134, 50 Chiverton
10., 36.; 10 Chostalles, 234; 20 Central Minera, 18. 6d; 50 Caldbeck Fells, 25s;
Central Smallheetle; 238; 10 East Caradon, 249; 50 East Jane, 10s. 6d; 5

Central Smallheetle; 238; 10 East Caradon, 249; 50 East Jane, 10s. 6d; 5

10 East Sarand, 15.; 5 East Basset, £184; 10 France Mills, 234; 50 Frontino and
1018], 10s.; 50 Hallenbeagle, 4s.; 5 Great Luter, 2194; 20 Great North
10s.; 50 Hallenbeagle, 4s.; 5 Great Luter, 2194; 20 Great North
10s.; 50 Hallenbeagle, 4s.; 5 Great Luter, 2194; 20 Great North
10s.; 60; 200 Rossa Grande, 3s. 6d.; 20 Rosewarne United, 14s.; 50 Royalton,
10s.; 60s. paid); 3 South Crofty, £174; 5 West Caradon, £64; 100 West Kitty;
10 Wheal Agar, 51s.; 5 West Chiverton, £644;

R. LELEAN, ENGLISH AND FOREIGN STOCK AND SHAREDEALER,
11, ROYAL EXCHANGE, LONDON, E.C.
Bankers: Robarts, Lubbock, and Co., Lombard-street

QUIDE TO INVESTORS,—Mr. L'ELEAN'S STOCK, SHARE,
AND FINANCE REGISTEER for Septemitier contains the second of a
series of articles on the whole circle of Investments—British and Foreign Stocks
and Loans, Bank and Finance, Railway and Insurance, das sind Water, and
fanufacturing and Commercial Shares; with an account of their constitufon and business, condition and prospects, dividends and reserve funds, and such
her information as is necessary to guide intending investors amidst the shoats
and quicksands of the multifarious species of investments that now present
hemselves. Published by Pottle and Son, 14 and 15, Royal Exchange, London,
C. Price Ed., or 5s. annually.

C. Price 6d., or 5s. annually.

C. ECRGE RICE, SHONDON (24 years' experience), Member of the Mining kechange, DEALS in MINING SHAREES at slose market prices of the day, sither as BUYER or SELLER, for each or accounts: The following are the clies market prices:

Clifford ... 1344-214 | East Russell £ 5%-5 23% | Frontino ... 5%-5 23% |
Chiverton Moor 64 66 | Great Vor 25 25% |
Chontales 24 28 | Marks Valley ... 25 25% |
Chontales ... 17 184 | North Treskerby ... 134 15% |
East Garadon ... 84 83 | North Crofty ... 134 15% |
East Grandon ... 84 83 | North Crofty ... 134 15% |
East Grenville ... 25 26 | Prince of Wales ... 23s ... 24s ... 6d. |
East Grenville ... 25 26 | East Chiverton ... 62 68 |
East Chiverton ... 14 25 | West Chiverton ... 62 68 |
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East Chiverton ... 14 25 | West Chiverton ... 62

ney advanced on mining shares. Bankers: Bank of England.

AMES D. GENN AND CO., STOCK AND SHAREDEALERS 3, CROWN COURT, THREADNEEDLE STREET, LONDON, E.C.

OHN RISLEY, 32, LOMBARD STREET, and MINING EXCHANGE, LONDON, E.C., has SPECIAL BUSINESS in East Gren-lie, Wheal Buller, and West Caradon shares.

ESSRS, ROBERTSON BROTHERS AND CO.,
STOCK AND SHARRDEALERS,
16, ABCHURCH LANE, LOMBARD STREET, E.C.
ars. ROBERTSON BROTHERS and CO. are in a position to buy and sell Eng-

and foreign mining shares, at close nett prices

BART LETT AND CHAPMAN, STOCK AND
SHAREDEALERS, 2, BUCKLERSBURY, LONDON, E.C.
SPECIAL BUSINESS, either as BUYERS or SELLERS, in the FOLLOWING
HARES, at nett market prices.
Great Laxey.
Wheal Seton.
Wheal Buller.
Soswarne Consols,
East Caradon.
East Covell,
East Caradon.
East Lovell,
Frince of Wales.
Grenville.
Grenville.
Sast Carn Brea.
Letters and telegrams will receive immediate attention.
Bankers: London and Westminster.

BARTLETT AND CHAPMAN'S "INVESTMENT CIRCULAR AND FINANCIAL RECORD" for September may be had gratis, or sent pest free on application. The attention of capitalists and investors desirous of obtaining information is directed to it as a medium for sound financial incelligence.

Bankers: London and Westminster, Lothbury.

Offices, No. 2, Bucklersbury, London, E.C,

MR. J. W. HUTCHINSON, 78, OLD BROAD STREET, and MINING EXCHANGE, LONDON, E.C., tenders his services to the public in the sale or purchase of mining and other securities, at close neit prices. A selected list on application. Bankers: City Bank.

M. R. T. ROSEWARNE, 81, OLD BROAD STREET,

LONDON, E.C., is a BUYER of the FOLLOWING SHARES, at the

lighest market prices:—

Frince of Wales,
East Caradon,
Marke Valley,
North Treskerby,
West Garadon,
Wheal Rose,

Clifford.

Great Vor. Central Minera, Chontales, West Chiverton, Hingston Down, Clifford, Bedford United, East Lovell, Drake Walls, East Carn Brea. Carn Camborne, Frontino, South Frances. Crebor. South Crofty.

South Crofty. Carn Camborne, Providence.
South Crofty. Frontino. Stray Park.
Wheal Basset.
An OFFER WANTED for 20 New Trelawny, 70 Wheal Agar, 100 Lady Bertha.
Money advanced on mining shares.
Office hours, Ten till Four.
Bankers: Bank of England, and Consolidated.

SHAREHOLDERS IN PUBLIC COMPANIES desirous of avoiding calls and further responsibility will find purchasers on applying to Messrs. BARRETT AND CO., 75, OLD BROAD STREET, CITY, and No. 9, SPRING GARDENS, CHARING CROSS. Stocks, shares, &c., bought and sold. ment Review on application. Cash advances made.

M. R. GEORGE BUDGE, No. 4, ROYAL EXCHANGE BUILDINGS, LONDON, E.C. (Established 18 years), has FOR SALE at nett prices:—100 West Kitty; 50 New Treleigh, 14s, 6d.; 40 Drake Walls, 10s.; 2 West Sharp Tor., £224; 50 Wheal Agar, 32s, 6d.; 100 Bottle Hill, 3s, 6d.; 60 New Wheal Lovell; 70 Princé of Wales, 23s. 6d.; 30 Bosewarne United, 9s. 6d.; 46 New Wheal Lovell; 70 Princé of Wales, 23s. 6d.; 30 Bosewarne United, 9s. 6d.; 46 Royalton; 20 Tresavean; 5 West Caradon, 28; 50 Cuddra, 15s.; 2 Devon Gd. Consols, £449; 70 Great Retallack, 14s. 6d.; 56 Crebor; 160-Bon Pedro, 16s. 6d.; 100 Anglo-Brazilian, 9s. 9d.; 200 Port Phillip, 14s. 9d.; 50 United Mexican, £24; 25 Quebrada, £1 18s. 9d.; 100 Worthing, 17a. 6d.; 120 West Maria and Fortescue; 2 Minera, £1734; 150 Dale, 4s.; 60 East Chiverton, 30s.; 30 East Royalos, 12s. 6d.; 125 Pedn-an-drea, 14s.; 20 Sparnon, 11s. 3d.; 50 Tolearne; 50 South Grenville, 4s.; 60 Cornwall Great Consols; 30 Gawton, £3; 50 Illogan, 8s. 9d.; 45 Maudlin, 37s. 9d.; 10 Tremayne, 29s.; 168 Stheny Metah; 16s.; 100 South Callington; 75 Okel Tor, 9s.; 100 East Seton, 6s.; 60 Lady Bertha.

MH. FFFER WATSON has been in Cornwall and Devon during the pair four to five weeks, visiting and obtaining general information respecting most of the leading Dividend and Progressive Mines. He returned to London to-day (Fridsy); and is in a position to give his opinion as to the purchase and sale of Shares, and act with advantage to his customers, and to those who may entrust him with business transactions. During his visit to Corhwall and Devon he has been at considerable expense, in time and money, in collecting reliable information on many Mines.

THE MINING SHARE MARKET has shown greater activity this week, and the business transactions have, indeed, been beyond what have taken place for some years. Indeed, such has been, and still is, the demand for good dividend and progressive mine shares, that the dealers and brokers find it difficult to execute orders at even an increase on quoted prices. The improved prospects of the since, and the rise in the price of the and copper, are such as to warrant much better prices for mine shares. The Metal Market is firm in charcater. The standard of copper has, as I predicted, advanced this week a further 31, per ton. On the 28th first, the half-yearily Banca sale of tin will take place, and I do not expect much rise in price until after that date. It is not the policy of English smelters to let foreigners hold stock. After the Banca sale on the 28th inst. I predict a great advance in price of tin. This must then cause a further considerable rise in the mine shares. The present is a most favourable opportunity to buy, and no time should be lost in making a selection. 79, Old Broad-street, London, E.C.

WEEKLY MINING CIRCULAR AND SHARE LIST:
SYNOPSIS OF CORNISH AND DEVON MINES, published by PETER
WATSON, of yesterday (Friday, Sept. 7), No. 387, Vol. VIII., price 6d. each
copy, sent on application, contains important information on the following
mines;—
Great Wheal Vor,
East Wheal Vor,
East Wheal Vor,
East Caradon,
West Caradon,
Trumpet.
Clifford Amalgamated,
72 Old Penal-street, London, E.C.
Chontales.

mines;—
Great Wheal Vor,
Great Wheal Lovell,
East Wheal Lovell,
East Caradon,
West Caradon,
Clifford Amalgamated,
79, Old Broad-street, London, E.C.

STOCK AND SHAREDEALER.—MR. PETER WATSON.
ENGLISH and FOREIGN STOCK, SHARE, and MINING OFFICES, 79,
OLD BROAD STREET, LONDON, E.C.
Rallway, Joint-Stock Banks, Dook, Insurance, Canal, Mining, Steam-ship, &c.,
and every other an erription of shares bought and sold at nett prices.
TELEGRAPHIC MESSAGES to BUY or SELL Railway, Bank, Mine, and
other shares and stocks, punctually attended to, at nett prices for cash, or for
fortnightly settlements, with advice as to purchases or sales.

Twenty-two years' enerience.

(Two in Cornwall and Twenty in Lendon.)
Bankers: The Alliance Bank, and the Union Bank of London.

Bankers: The Allistice Bank, and the Union Bank of London.

From the close proximity of his offices to the Stock Exchange, as well as the Mining Exchange, Peter Watson is enabled to set with prompitude of all orders entrusted to him, which at all times are diffred out with punctuality and to the best advantage of his clients.

Every information can be obtained on personal application of by letter as to purchases and sales of mine and other shares, and the best investment for defital. Leans on good mining shares on liberal terms.

A daily list of Prices sent to clients on application.

Peter Watson being in daily communication with agents, and a long and extensive connected in different parts of Cornwall and Devon, enables him to supply at all times to this friends and clients the carliest information from the several mining districts, and consequently he can operate for them quickly to good advantage in the purchase or said of shares, especially when he receives the earliest information of any rich lode of discovery being made, or, on the other hand, a failing off in the value of lodes, &c.

MR. EDWARD COOKE, STOCK AND SHAREDEALER, 2, CROWN CHAMBERS, THREADNEEDLE STREET; E.C., Is a BUYER or SELLER of Tresavean, East Lovell, Great Vor, Ciffiord, Thurroft, North Treskerby, Chontales, Marke Valley, East Caradon, Credit Foncier, Anglo-American, Atlantic Telegraph, and American securities, at the current prices of the day. Telegraphic messages promptly attended to.

Satisfactory references given in any town in the United Kingdom.

Bankers: Alliance Bank, Lothbury.

MR. C. A. POWELL, SHAREDEALER, 78, OLD BROAD STREET and MINING EXCHANGE, LONDON, E.C. Business transacted in the PURCHASE or SALE of SHARES at nett prices for cash ar the fortnightly settlemeni.
SPECIAL BUSINESS, as BUYER or SELLER, in West Chiverton, Chiverton, Chiverton Moor, East Basset, East Lovell, North Treskerby, Frontino, Chontales, Prince of Wales, East Grenville, Caldbeck Fells, East Carn Brea, Clifford, &c. Sept. 7, 1866.

Bankers: Bank of England.

. W I L L I A M W A STOCK AND SHAREDEALER, No. 29, THREADNEEDLE STREET, LONDON, E.C.

M. R. JAMES HUME, 74, OLD BROAD STREET,
LONDON, E.C. (Member of the Mining Exchange), has business in
the following shares, the latest limits of which are attached:—East Russell,
£3%, £3%, £3%, Great Retallack, £4%, £881 Basset, £18, £20; Clifford, £12,
£14: Great Vor, £25, £26; Cook's Kitchen, £5%, £6%; Uny, £1, £1½; South
Condurrow, £34, £1; Chiverton Moor, £64, £64; Prince of Wales, £28, £28.;
Marke Valley, £5%, £5%; North Treskerby, £2%, £8; Seton, £170, £180. Orders
in every description of share negociated at closest nett prices.

Bankers: The London Joint Stock Bank.

MATTHEW GREENE, STOCK AND SHAREDEALER, ST. MICHAEL'S HOUSE, CORNHILL, LONDON, E.C., Is always prepared to deal at close prices in mining, bank, railway shares, &c. Parties seeking investments in which the security is equal to Consols, and certain to pay good dividends, would do well to consult Mr. GREENE at once.
Mr. GREENE has business both as BUYER or SELLLER in the following mines:—

ant. Cheese has business both as DU 1	ER OF SELLER IN the following mines
Buyer. Seller.	Buyer, Seller,
Tincroft £ 111/2-£ 12	East Basset £18 - £20
West Chiverton 62 - 65	East Caradon 8 - 81/2
West Caradon 6 - 61/4	East Carn Brea 214- 234
West Seton 1371/6- 1421/6	East Grenville 1%- 2%
Wheal Buller 19 - 21	East Lovell 101/2- 11
Wheal Seton 170 - 175	East Russell 314- 334
Great Laxey 1834- 1914	Great Retallack 11s 13s.
Great North Laxey. 30s 35s.	Great Vor 25 - 26
Clifford 131/4 - 133/4	Marke Valley 5 - 51/4
Cook's Kitchen 534- 6	North Treskerby 3 - 31/2
Chiverton Moor 6% 6%	North Crofty 11/4- 11/2
Chontales 2% - 2%	Prince of Wales 1 - 114
Devon Consols 430 - 450	
MATTHEW GREENE suggests an earl	ly application for shares in the Finsbury

Park Freehold Landed Estate and Brick Company. The shares are being rapidly

sorbed, and are sure to prove a safe investment.

Bankers: Imperial Bank.

Sept. 7, 1866. Office hours, Ten till Four

WILLIAM MICHELL continues to DEAL in all DIVIDEND and GOOD PROGRESSIVE BRITISH MINES, and considers the present a most favourable opportunity for investments.

FOR SALE—
20 Great Wheal Vor.
25 East Caradon.
And a BUYER of—
100 North Treskerby.
100 East Russell.
100 Central Minera.
100 Deep Level (Halkin).

25 East Caradon.

And a BUYER of—
100 North Treskerby.
100 East Russell.
100 Central Minera.
100 Deep Level (Halkin).
EAST GRENVILLE v. NORTH TRESKERBY—"A. R." (Cheltenham).—You have only to refer to the sales of ôre, and you must be at once convinced which is the better mine of the two. The latter has risen in price 20s, per share, or about 50 per cent., within this last month, and will ere long resume dividends; the former has just made a call of 3s, per share, equal to 980d,, and many more such calls will be required, if they continue to work the mines.

WHEAL GRENVILLE v. BRYN GWIGG—"P. C. D." (Cambridge).—If you were allowed to make use of the same organ to put the latter mine before the public as is done by the former you might possibly see a more agreeable quotation for your shares. Their relative prices do not add to or detract from the intrinsic value of the mines. The latter has been self-supporting for upwards of two years, whilst the former has made nearly 20s, per share in calls. Bryn Gwiog is being practically worked, and whoever has said to the contrary is an emptyheaded ass, and knows no more of a mine than a mine knows of him.

EAST RUSSELE—"A Shareholder."—Lead and zinc will, no doubt, advance with other metals, especially the latter, as it will be much more extensively used than formerly.

Apply to WM. Michell, 42, Cornhill, London, E.C.,
September 7, 1886.

M. R. CHARLES THOMAS, MINING AGENT, GENERAL LONDON, E.C. THOMAS, MINING AGENT, GENERAL LONDON, E.C.

SALE OF MINING SHARES BY PUBLIC AUCTION.

R. CHARLES THOMAS WILL SELL, at the London Tavern,
Bishopsgate-street, on Thursday, the 20th inst., at One o'clock precisely;—
15 Sithney Metal,
Molland,
10 West Caradon,
10 West Caradon,
10 Wineral Rights,
30 Great Laxey,
South Grieville,
10 Wheal Chiverton,
10 East Russell,
10 West Crisell,
10 West Criselwry,
10 East Russell,
10 West Criselwry,
10 East Russell,
10 West Criselwry,
10 East Russell,
10 West Criselwry,
10 East Caradon,
10 East Russell,
10 West Criselwry,
10 East Cara Brea,
20 Crebor,
15 Great East Lovell,
16 Grambler,
17 Tressons desirous of purchasing any of the above shares previously to the day offer.

Persons desirous of offering shares for sale at the above auction must give offer.

offer.

Persons destrous of offering shares for sale at the above auction must give notice of same not later than the 13th inst.

Particulars and conditions of sale may be had at the offices of the auctioneer, 3, Great St. Heien's, London, E.C., and at the Mining Journal office, 26, Fleet-street, London, E.C.

MR. T. E. W. THOMAS, MINING AGENT AND GENERAL MINING SHAREDEALER, 18, UNION CHAMBERS, UNION COURT, OLD BROAD STREET, LONDON, E.C.
GREAT REFALLACE.—As anticipated by Mr. THOMAS these shares have risen in a fortnight from 5s. to 15s., enabling those who acted upon the advice to realise an important profit.

The presence of the properties of the properties

MESSRS. LANE AND GIBBS, 2, ROYAL EXCHANGE, LONDON, E.C., STOCK AND SHAREDEALERS, AND FINANCIAL AGENTS, transact business in all kinds of securities at closest nett prices for cash or account.
Parties of respectability can have transfers registered in their names previous to payment.

Bankers: London and County Bank.

SOUTH CALLINGTON.—As this mine is likely before long to come before the public, Mr. Mansell is in a position to give information respecting its merits and demerits.—26, Throgmorton-street, E.C.

SAFE INVESTMENT ENTREMENTATION OF CAPITAL,
Paying 10 to 20 per cent. per annum in dividends.
SHARP'S RAILWAY, BANKING, MINING, AND INVESTMENT CIRCULAR
(Gratis and post free)
Should be CONSULTED by SHAREHOLDERS and the public before INVESTING. It contains reliable information and sound advice to capitalists. Reports
on Mines, Railways, Banks, Insurance, Docks, Loans, Gas, Water, and all Financial Companies, Record of Market Prices, and is the only SAFE GUIDE for the
investment of capital.

HENRY GOULD SHARP, 32, POULTRY, LONDON, E.C.
Member of the Mining Exchange.—Bankers: London & Westminster, Lothbury.

MR. H. B. RYE, GENERAL AGENT for the DISPOSAL of MINING PROPERTIES, invites the attention of his friends and the public to the unusually favourable terms on which investments may now be had in mine shares. Ample information (for the guidance of buyers) may be had at his offices, 77, Old Broad-street, London, and Mining Exchange. Established Twenty Years.

MR. WILLIAM SEWARD, STOCK AND SHAREDEALER, 19, THROGMORTON STREET, LONDON, E.C.

MR. J. B. REYNOLDS, MINING OFFICES, 70 and 71.
BISHOPSGATE STREET WITHIN, LONDON, E.C., refers with great
pleasure to the present state of the Mining Market. The greatest caution, however, is needed now. Sound advice ought most assuredly to be obtained.
Mr. REYNOLDS offers his services, and can only appeal to the history of the
past for confidence in future. He is ready to deal at close prices in every
description of stock. lescription of stock.

Mr. REYNOLDS refers the public to his letter, page 576.

September 7, 1866.

REYNOLDS'S CIRCULAR FOR SEPTEMBELS. Applications should at once be made for the above, which will be subjected in the 14th inst., and will contain much which will prove to be or great in deute the capitalist at the present time.

70 and 71, Bishopsgate-street Within, London, E.C., Septembel Sept

Original Connespondence.

THE COAL QUESTION.

OUR PRESENT CONSUMPTION OF COAL.

OUR PRESENT CONSUMPTION OF COAL.

SIR,—That the coal beds of this country are not inexhaustible cannot be denied, and the fact is becoming daily more freely admitted by all parties. It is merely a question of time. Whether the supply can be maintained 100, 500, or 1000 years, it is most desirable that all the circumstances of the case should be fully and fairly understood and stated. That this should be done will be for the interest of all parties, whether owners of coal property, colliery owners, consumers, or the general public. The annual produce of the coal mines of England, Wales, and Scotland, as given in Hunt's "Mineral Statistics," recently published, for the ten years, 1856 and 1865 both inclusive, is as follows:—

as tonows.—			
1856 Tons	66,508,815	1861 Tons	85,512,144
1837	65,274,047	1862	83,510,838
1858	64,887,899	1863	88,165,465
1859	71,859,465	1864	92,662,873
1860	79,923,273	1865	98,150,587

rouble to enquire how far the produce stated represents the coal area actually and practically exhausted. In doing so, we will assume that the average thickness of the beds at present being worked is 44 feet. and that I cubic yard of coal, as existing in the bed, will yield I ton of coal; and that I cubic yard of coal, as existing in the bed, will yield I ton of coal; and that, consequently, I acre will yield 7260 tons of coal, however it may be disposed of. We will also take the produce as given for 1865—98,150,587 tons—as the coal actually sold or usefully consumed. I find in only two instances the quantity of coal used for colliery consumption—that is, for fuel for engines and workmen—is stated by Mr. Hunt, which it is necessary to deduct, for the purposes of my argument, as follows:

stated by Mr. Hunt, which it is necessary

of my argument, as follows:—

Total produce for 1865, stated at

Less colliery consumption, as stated by Mr. Hunt—

Durham and Northumberland

Tons 1,795,000

Staffordshire and Worcestershire

1,365,750=

3,160,750

Never having supplied the quantities of coal annually worked at any of the collieries under my charge for the purposes of these statistics for the last ten years, I am not able to state whether, in giving the weight of coal produced, the quantity of coal given by the colliery for a ton, or an imperial ton of 2240 lbs., is meant, but I presume it is the coal actually given by the colliery owner for a ton that is meant. Persons interested in selling on buying coal wholesale (it is different Persons interested in selling or buying coal wholesale (it is different by retail) are well aware that only in a very small proportion of sales is the ton charged represented by 20 cwts. It is much more frequently 21, 22, 23, 24, 25, or even in some districts as much as 30 cwts, to the ton that is given when a ton is charged. As railway sales are most frequently 21 cwts, to the ton, we may, I think, fairly take the tons given by Mr. Hunt to be such, and, consequently, they must be increased by 5 per cent to give the produce in imperial tons.

given by Mr. Hunt to be such, and, consequently, they must be increased by 5 per cent. to give the produce in imperial tons.

The quantity of coal consumed for various purposes connected with the working of a colliery and for workmen's fire coal is a very large quantity—indeed, I believe much larger than is generally supposed. With the worthless refuse taken out of the coals from all beds, it will certainly be fully 10 per cent. of the entire produce. We, therefore, find the return given by Mr. Hunt for 1865 requires to be amended, to represent the education products and the state of represent the actual quantity of coal raised to the surface, as follows

Quantity for general con-umption, as given above Tons 94,989,837 Add correction for overweight given in sales, 1-20th 4,749,491

Making the total quantity raised to the surface for 1865..110.821,475

Large as this quantity is, it does not by any means represent the total quantity of coal extracted from the beds, or the coal area actually and practically exhausted during last year, as will be seen from the following considerations:—

1.—In most of the collieries of England, Wales, and Scotland the coal is not worked by what is called "altogether working" in the county of Durham—that is, all the worked produce of the bed is not sent to the surface. Arising from dirt beds intercalated in the coal beds, the surface. Arising from dirt beds intercalated in the coal beds, rendering it difficult to keep the slack or small coal free from dirt, from a want of a profitable demand for it in the district, and from the custom of several districts, a very serious quantity of slack is thrown into the goaf or gob, and for ever irrecoverably lost. The quantity thus lost is in many cases from 15 to 30 per cent. Suppose we take it to average 10 per cent, throughout the coal fields referred to, we will not I think overstate the quantity thus annually worked and left. will not, I think, overstate the quantity thus annually worked, and left in the mine for ever, and to be added to the quantity sent to surface. 2.—In many coal beds portions are left unworked, either from their

inferior quality or from being necessary to support the roof. In many hundreds of acres some feet in thickness of the lower part of the High Main bed of coal in Northumberland has been thus left, from its being at the present day, from its inferior quality, of no com-mercial value. For a large extent in the county of Durham the lower portion of the unequalled flutton seam—varying from I to 1½ ft. in thickness—has been and is now being habitually left from the same cause. Nor is this necessity confined to these coal fields; it is more or less unavoidably practised in every coal field of the country. It is difficult to fix a proportion for the coal thus left, but I know one is almout to an a proportion for the coat this left, but I know one colliery where it is found economical to leave 25 per cent. of the bed unworked, on account of the inferior quality of the coal, and from its being separated from the better and worked portion by a dirt bed or band. Coal is often found unworkable to profit from being injured by faults of different kinds, the quantity so left being difficult to proportion, although it is, no doubt, in many cases considerable.

3.—A source of considerable loss—or reduction at least of the area of workable coal, with the requirement properties and proposity of leaving solid a considerable coal, with the requirement of the coal solid a considerable coal.

3.—A source of considerable loss—or reduction at least of the area of workable coal—is the practice and necessity of leaving solid a considerable quantity of coal to protect the estate being worked from the water met with in adjacent collieries working the same bed of coal, and technically known as barriers. It is usual to leave these permanently around the margin of estates. When left of the breadth of two chains around an estate exactly one mile square, and containing 640 acres, no less than 62.4 acres, or nearly 10 per cent., is required to be thus left in every bed or seam of coal to isolate and ensure the safe working of the remaining 90 per cent. This is not at all an usual case, it is the ordinary practice throughout all the coal fields of this country, and I think the case supposed may be taken as a fair average one, both as to area workable in one isolated colliery on an average, as well as the breadth of barrier usually left. We have thus for the coal actually raised to the surface, and sold, or otherwise usefully consumed, a further exhaustion of the coal beds from which it has been extracted as follows:—

1.—For slack or small coal left permanently undergroud (say) 10 per cent.

1.—For slack or small coal left permanently undergroud (say) ... 10 per cent.
2.—For portions of beds left of inferior quality, and for coal rendered worthless and unworkable on account of faults, &c. (say). 5 per cent.
3.—For coal left as barriers for the protection of the estate in course

of being worked (say) 10 per cent. Total left underground...... 25 per cent We thus see that the coal worked and sent to the surface represents

only 75 per cent. of the entire exhaustion of any coal bed worked for such production, thus:— Total quantity sent to the surface, as corrected for colliery Tons of consumption and extra weight given per ton in selling, for 20 cwts.

consumption and extra weight given per ton in selling, for the year 1865.

Coal left underground, in slack, inferior portions of beds, and for faulty coal, and for barriers against adjoining properties, equal to (say).

Making total coal beds exhausted to the extent for the year of 147,761,966 Equal, for a 41/2-ft. bed, to exhausting for the year...... 20,252 acc

I am no alarmist; on the contrary, I believe the unexplored coal fields of this country (and in no district more than East Yorkshire and Nottinghamshire) contain enormous supplies of coal, which the enterprise and skill of this and succeeding generations will, during a long future, find the means of extracting to the benefit of old En a long ruture, and the means of extracting or the benefit of old England. There is, however, no possibility of avoiding the physical and other difficulties which most assuredly will be required to be overcome. Deep, very deep mining must supply the future demands of the population and industry of this kingdom. These will involve very large capital outlay and increased working expenditure; and, consequently, greatly increased selling prices, which will operate injuriously on our trade and manufactures, and will necessitate, to meet the circumstances of the case, the coal being leased at much lower tonnage rents than the unduly exaggerated hopes of many owners of voal lands lead them to anticipate.— Yorkshire, Sept. 1.

M. E.

ON SHALE OIL AS STEAM FUEL-No. I.

SIR,—The advantages to be obtained by using petroleum, rock, or earth oil for steam fuel instead of coal has been dwelt upon through earth oil for steam fuel instead of coal has been dwelt upon throughout Europe and America for years past, and effort upon effort has been made to bring these liquid coal oils into subjection for that purpose. Under the patronage of the late Board of Admiralty, the resources of the Dockyard at Woolwhich were placed at my disposal to test an apparatus I had submitted to them for the purpose, and which had been examined and reported favourably upon by their engineering officers as early as August, 1864. The first experiments were conducted at my expense. The apparatus was made by my own ironfounder. I supplied the oil, and paid my attendants. I was bold that if I only succeeded in burning petroleum so as to demonstrate its use for steam purposes the engineers would be satisfied, and that a great step would be gained. On my doing this, I was relieved from further expense; a large boiler, of from 12 to 14-horse power, was made for me, and the whole of the year 1865 was occupied with experiments with American and various kinds of British petroleums. I had the oil under perfect command; it was run into the furnace by means of pipes supplied with the necessary stop-cocks, in any

I had the oil under perfect command; it was run into the furnace by means of pipes supplied with the necessary stop-cocks, in any quantity at pleasure, and the trough containing the boiling oil could at any time be emptied.

The first day the boiler was tried the evaporation was 12½ lbs. of water to 1 lb. of oil; but I did not beat the powerful experimental coal boiler of the yard, put, I thought with great unfairness, against me, in the quantity of steam produced per hour in a similar sized grate surface, although the average evaporation of the coal boiler was only 8 lbs. of water to 1 lb. of fuel; neither did I beat it in the quantity of fuel burnt in like surfaces. The coal boiler could burn 25 lbs. of coal in each square foot of grate surface per hour, the oil boiler burnt only 6.47 lbs. of oil in the same space in equal time. As this was the first time the oil had been used on a large scale for steam purposes, I had taken care to make the matrix or core through which it was burnt very thick and solid, the flame, therefore, was which it was burnt very thick and solid, the flame, therefore, was rather thin, and the combustion slow; considerable attention must be given to the kind of material used for the porous grate. The coke refuse of the oil distiller makes the best core, it is very porous, and is indestructible by fire. Acres of land at Bathgate, in Scotland, are covered with this refuse, no means having yet been discovered for utilising it.

covered with this refuse, no means having yet been discovered for utilising it.

I attended the boiler merely as stoker; the working of it, the supply of oil, and feed-water, were in the hands of the engineers. The first trial showed that the oil could be burnt as fuel without danger, and that it required but very little attention. After a few alterations to the boiler, and using the common founder's loam for a porous core, we succeeded in evaporating 13½ lbs. of water to I lb. of oil, and burning off 9½ lbs. of oil per foot super grate per hour. I had asked to be permitted to take out the oil grates and substitute small coal grates, in order that the two fuels might be burnt on exactly equal terms. I had often used stoves for warming buildings of a much smaller character than the boiler fire-places, but I was told that such change of grates could not be allowed, it being very unfair towards the coals, our black diamonds, my fire-places being too small to burn them effectually. The oil boiler, requiring no ash-pits, could have allowed two grates, one above another, in the large fire-places used in the marine boilers. If the centre boiler of the Hecate had been fitted with these oil grates, 83 feet super fire surface would have been gained instead of its present 43 feet fire surface, and an evaporation fitted with these oil grates, 83 feet super fire surface would have been gained instead of its present 43 feet fire surface, and an evaporation of water obtained of 1120 lbs., instead of one of only 344 per lb. of coal per foot surface per hour. The great defect of the oil boiler was the great quantity of smoke produced; any downdraught, any carelessness of feeding or supplying of air, produced smoke and soot sufficient to shame coal. The Britishshale oils produced such quantities as often to fill up the tubes. These oils were evidently stronger as fuels than the American, particularly Young's crude oil, made from the Torbane Hill mineral. About November, 1865, I wished to use a steam-jet, introducing it beyond the grate, as a means of getting rid of the smoke, and increasing the evaporative power of the boiler. of the smoke, and increasing the evaporative power of the boiler, and asked to have the necessary pipes supplied me; but, this being a fresh experiment, I was required to put them at my own expense, and I was shown an apparatus for superheating and throwing steam into coal furnaces for the purpose of destroying smoke, which had been experimented upon at a great expense by the Government, and which was quite successful, so far as it prevented smoke, but which could not be used, from the immense amount of steam it required. could not be used, from the immense amount of steam it required. I determined, however, to try the jet, using it in a different way, and to be at the expense of the necessary appliances, immediately having

determined, however, to try the jet, using it in a different way, and to be at the expense of the necessary appliances, immediately having them put up.

The decomposition of water vapour into its constituent gases—oxygen and hydrogen—and burning them with the vapour of petroleum, is the plan proposed by the Americans. I had all the printed accounts of the experiments conducted by Dr. Fisher, of Newhaven, Mr. Hill, the inventor, and Mr. Stevens. Their want of success—for they had not obtained any real practical results—it struck me was not owing to any inherent defect in the oil, but that they had simply failed in devising the proper means for applying the peculiar description of fuel, or rather of the two fuels, for the use of water as fuel was even less understood than that of petroleum. The American plan was to vapourise the petroleum, and superheat the steam in coils of pipe, mix the vapour or gases in a retort, and conduct them to another coil of pipes, provided with bats'-wing burners. The three lines of pipes were placed over each other, and a wood fire made beneath them. It was evident very many great defects existed in this plan, and it appeared to me that by introducing steam in a more simple manner my porous-material grate would manage it better, and make it more effective. My chemist, Mr. Frank Wright, of Kennington, told me that beyond an improved mechanical effect he did not believe much could be obtained, but he would not advise me to abandon the trial; as facts had so often falsified theory, he did not like to give a decided reply. The theory as to water fuel was that no advantage could be gained by using it as auxiliary to any other fuel, because it took as much heat to decompose water as is given out during the combustion of the gases which constituted it. I determined to use exhaust steam: at least it might give back the heat it had taken to be made into steam.

My method of introducing it was to send jets into the boiling oil

had taken to be made into steam.

My method of introducing it was to send jets into the boiling oil below the porous-material grate. I was determined that if water could be burnt as fuel, which was flatly denied by one most eminent engineer whom I consulted, it should be done. On my first trial the took possession of them, and turned the oil, in a blazing sea of fire, completely out. But the first few minutes proved the fact that water could be burnt, and a smokeless fire produced. Before my hand was fectly smokeless, and so bright that it pained the eye to look upon it; its temperature became higher, and the evaporating power in the boiler was so largely increased that the small force-pump which had been given me to supply the feed-water became too small, and had to be changed for the largest one in the yard.

The fire-places were now too small for the fire; their size was as unfair to the oil as they would have been to the coal. Instead of my requiring double grates, one above the other, the flame was sufficient

requiring double grates, one above the other, the flame was sufficient to fill the fire-places of the largest boilers in the yard. An extremely small supply of steam was necessary, as some of it was wasted. run in in excess it put the fires out, and came up through the porous grate undecomposed and unburnt. I could no longer use the four fire-places. With one I showed a better result against the experimental coal boiler, both in amount of evaporation and quantity of

water evaporated.

use them for carbonising and burning water gas. If this gas gives to heat itself, which I myself doubt, it prevents smoke, by completely burning up the fuel it was acting as auxiliary to—that being a hydrocarbon. The clear gaseous flame filled the fire-places, the fine boxes, and the tubes. Its temperature was easily increased by supplying it with petroleum. The colour of the flame was bright relation, but in the upper row of tubes it was a reddish hue. I regretely there was no instrument in the yard by which the exact tregretely there was no instrument in the yard by which the exact tregretely plenty of oil and plenty of steam caused the former to be spurded up being the procus material in a fiery spray. It was evident it could be burnt at any rate of speed required. The small size of the fire places restricted such experiments.

It required two months to find the best method, without disturb. It required the months to find the best method, without disturb. When the jet was used over the flame, or put through it, a considerable quantity of the steam escaped; the latter was under 10 lbs, presure, and slightly superheated. It was at last introduced in minute jets as bout 1-10th of an inch in diameter, the jets 3 inches apart, the products being carbonic acid and water; and all the heat produced the produced being carbonic acid and water; and all the heat produced the produced being carbonic acid and water; and all the heat produced was rightly applied, for an evaporation, steady and constant, of 18 lbs. of water to 1 lb. of oil was obtained, British oil from Torbans Hill oil being used. The more smoky oils become now the most desirable fuels, from their containing the most paraffin. The American Pennsylvanian appeared, from its volatile anture, to be of greater use for illuminating purposes. In attending the fires, the doors were for illuminating purposes. In attending the fires, the doors were for illuminating purposes. In attending the fires, the doors were for illuminating purposes, in a tending the fires, th

CURIOUS LODE OR MINERAL VEIN IN CORNWALL,

CURIOUS LODE OR MINERAL VEIN IN CORNWALL, SIB,—In last week's Journal, in the report of the British Association meeting, you speak of my "discovery" of a curious lode. This word "discovery" will convey a wrong impression to many people, I did not discover the lode; I merely wished to call attention to facts which were well known to many people in the county before, but not to the public generally. Mr. John Pike, late of Camborne, first called my attention to the lode, and in my numerous visits to the mine I received much information from Mr. Wm., Huthnance, the lord of the mine, and Capt. Wm. Michell, one of the agents, as was stated in the paper I read. I, therefore, do not wish for a moment to claim any "discovery," because it is no discovery.

CLEMENT LE NEVE FOSTER.

THE PNEUMATIC, OR BESSEMER PROCESS.

SIR,—The objects of the British Association are professedly the advancement of the Arts and Sciences, and the diffusion of knowledge, and nothing has tended more to elicit truth or to expose error than controversy rationally carried on. I cannot, therefore, understand why Lord Wrottesley should have been so filled with virtuous indigcontroversy rationally carried on. I cannot, therefore, understand why Lord Wrottesley should have been so filled, with virtuous indignation at the introduction of controversial matter into my paper on I the "Pneumatic Process," read at Nottingham last week, and the inconsistency of his Lordship's animadversion becomes more apparent, when we learn that the reading of my paper was deferred in order to give Mr. Bessemer, "the only man in the world able to answer my statements," an opportunity to attend and enter into controversy. And it is certain that Mr. Bessemer must have been furnished with a copy of my paper by the committee, or otherwise, with a view of enabling him to enter into controvery, and, at all events, informing him that I was about to have a paper read at the meeting. It appears to be a very high compliment to pay to my abilities, when it is publicly stated that Mr. Bessemer is the only man in the world who can reply to my statements before the title of the scientific and philosophical world. Now, as regard Mr. Bessemer is remarks upon my paper, I think I am able to convince him that in some points he has been mis informed, and that in some others he has adopted erroneous views, and I now proceed to do so, disclaiming all personal feeling, and desiring only that right conclusions may be arrived at upon an interesting question, and I invite Mr. Bessemer to respond, and if he can show me to be in error I shall frankly admit it. Apart from any private consideration, the discussion must throw some light upon a subject of the deepest national importance. First, then, Mr. Bessemer has stated that Mr. Heath, residing many years in India, became acquainted with the fact that Woots steel owed much of its excellence to the presence in it of manganese. Now, I have been for nearly forty years familiar with the Wootz ore of India, and have never discovered a particle of manganese in this magnetic ore of Iron. Moreover, the analysis of Wootz steel by the late Mr. T. H. Henry, the most scrupious and exact of ana

my father, the call Magazine," and subsequently in my father's "Papers on Alexa (Vide pages 750 to 777.)

Mr. Heath laid his patent process before my father, and asked his advice. That advice was to patent the use of oxide of manganese, and not carburet of manganese; but, unfortunately for himself, Mr. Heath did not adopt this advice, and his patent was lost in consequence. Carburet of manganese, as prepared by Mr. Heath, was obtained by intimately mixing oxide of manganese and pitch, coal-tar; or other carbonaceous matter, and melting the mixture in small crucibles at an intense heat. All attempts to produce the so-called carburet of manganese by meiting the mixture in large crucibles, such as cast-steel melting-manganese by meiting the mixture in large crucibles. below the porous-material grate. I was determined that if water could be burnt as fuel, which was flatly denied by one most eminent engineer whom I consulted, it should be done. On my first trial the steam was turned so fully into the fire-places that in a little time it took possession of them, and turned the oil, in a blazing sea of fire, completely out. But the first few minutes proved the fact that water could he burnt, and a smokeless fire produced. Before my hand was could be burnt, and a smokeless fire produced. Before my hand was off the tap that turned in the steam the whole mass of black in the surface of the grate rose and disappeared, not up the chimney-funnel, but in the flame. This, flashed to four times its former size, was perfectly smokeless, and so bright that it pained the eye to look upon it; its temperature became higher, and the evaporating power in the boiler was so largely increased that the small force-pump which had been given me to supply the feed-water became too small, and had to be changed for the largest one in the yard.

The fire-places were now too small for the fire; their size was as unfair to the oil as they would have been to the coal. Instead of my requiring double grates, one above the other, the flame was sufficient to fill the fire-places of the largest boilers in the yard. An extremely small supply of steam was necessary, as some of it was wasted. If you have been composed and unburnt. I could no longer use the four in in excess it put the fires out, and came up through the porous grate undecomposed and unburnt. I could no longer use the four in in excess it put the fires out, and came up through the porous grate undecomposed and unburnt. I could no longer use the four its waste of the largest boilers in the yard. An extremely wasted to a sufficiently hard; and, if they wasted the produce of t turb

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patent was a complete blunder, for it is not carburet of manganese that improves pot-melted steel, but simply oxide of manganese, and oxide of manganese alone is used by steel makers all the world over. The validity of my patent has been fully borne out by the legal opinions of Mr. Hindmarch and Mr. Webster, the best authorities on patent rights, and both well acquainted with the nature of Heath's patent claim. I am glad to see that you consider a moral claim stronger than a legal one, for such being the case, you cannot possibly disallow my powerful moral claim to be liberally treated by the Bessemer Company.—I am, dear Sir, yours faithfully, Robert Mushet."

I shall be glad if the foregoing remarks tend to throw some fresh light upon the processes of Mr. Bessemer and myself.

Chellenham, Sept. 5.

PROOF OF SLATES BY FIRE.

SLATE QUARRIES, ACCOUNTS, MANAGEMENT, &c., &c., &c.

SIR,—A word or two on the et exteras first of all. I have a three-fold title to assume the name of "Cambrian." I supposed that Mr. Harvey had well known my real name, but it seems that he does not. As he signs himself "Thomas Harvey (of London," in last week's Journal, it would appear that he is an Englishman, as his name also implies him to be. But these personal allusions and insinuations do not interest the public, to whom the Journal is addressed, and if the implies him to be. But these personal allusions and insinuations do not interest the public, to whom the Journal is addressed, and if the public are to learn anything from the correspondence it contains, and to rely on it, such allusions must be avoided. Here, then, let these insinuations cease, unless it be for the purpose of exposing an alias,

which any scoundrel may assume.

Mr. Harvey's letter in the Journal of June 23 was the one to which I referred. The words in it on Proof of Slates by Fire refer only to "Cambrian Eryr," and have no bearing on the main argument, on which our opinions have been, in the main, in accordance with those Harvey, &c.

Mr. Harvey again refers to the component parts of slates (obtained, Mr. Harvey again refers to the component parts of slates (obtained, of course, from the analysis of Mr. Bamber); he entirely avoids, however, any allusion to remarks made on such component parts in accordance with that analysis, in my letter inserted in the Journal of June 2. Iron in any form is bad; it deteriorates the cleavage if it exists to a great extent, as it does the slates also, when deposited in the form of cubes of iron pyrites. The analysis also shows that it entirely decomposes. Lime also is bad when it is unstacked, as it is in slates as our correspondence with "I E N H" bas shown. This is entirely decomposes. Lime also is bad when it is unstacked, as it is in slates, as our correspondence with "J. F. N. H." has shown. This is further shown, as every particle of it was decomposed on analysis. Magnesia also was entirely decomposed by the analysis. What are we, then, to think of Mr. Harvey's opinion, that the best slate contains all these three ingredients? As we have before observed, may not better slates be found which are free from these three injurious parts? Who, except Mr. Harvey, has obtained analysis, or been so much more bold as to maintain that the best slates are those which

parts? Who, except Mr. Harvey, has obtained analysis, or been so much more bold as to maintain that the best slates are those which contain component parts of iron, lime, and magnesia, which not only acids do, but the weather may decompose.

But really, Sir, this repetition of old matters, and also their consequent second refutation, is too much of a good thing. It may have one object—to recall the past, and to call away attention from the present. I say this for two reasons—I. The conclusion of the letter of Mr. Harvey (of London), in last week's Journal, which is as follows:—"The skeleton forms of accounts furnished by 'Cambrian' appear rather to be the production of an amateur than of a practised Welsh quarry manager (query, is Mr. Harvey a practical Welshman?), and if intended to pass under the scrutiny of a public accountant or auditor would have to be framed in a different manner." The forms of accounts given by us so far in the Journal were approved some years ago by a very eminent man in London. They have been regularly passed by "a public accountant," who is "the auditor," and no insinuations or taunts in future shall draw us from the object of quarry accounts, which was commenced on August 25. We will see whether "the balance-sheet of profit and loss" does not give a clue no insinuations or taunts in future shall draw us from the object of quarry accounts, which was commenced on August 25. We will see whether "the balance-sheet of profit and loss" does not give a clue to much laxity in the present mode of keeping quarry accounts. At what quarries is such an account kept? It would appear from Mr. Harvey's last of two letters, in the Journal of last week, that "a proprietor in the Prince and Princessof Wales Slate Quarries received 95 per cent, the first year on all his outlay, not from morking profit certainly, but by a sale of a small portion of the property." What did he receive other years? Was he not a proprietor in the Prince of Wales only? and did he not receive the money from the sale of part of the first company to the Princess of Wales Company? Was a profit and loss account kept there? We might ask further questions on which we are fully informed, but we hope that there will be an end of this sort of questions in future: we will keep to our quarry accounts.

THRICE CAMBRIAN.

PRESENT STATE OF THE MINING INTEREST.

PRESENT STATE OF THE MINING INTEREST.

SIR,—The aspect of the mining interest is at present most interesting, and bespeaks the attention of capitalists, and of companies working in the various fields of mineral industry. The rapid declension in the Bank rate of interest has proved efficacious in reviving the metal and stock markets, and in renewing legitimate speculation in the mining world. It was simply impossible that the metal markets should not feel such a condition of things, sensitive as it is beyond all other markets, except that one—money. Accordingly the shares of dividend-paying mines are rapidly advancing in value. Even tin has risen in price, depressing as all the prospects of that interest were, and in spite of the terrible competition of the product of the great Archipelago. Copper has also risen, although the news from Australia confirms prognostications of increased production there. Notwithstanding these auspicious conditions of the mining interest, especially in Cornwall, where hope was well nigh extinguished, there are grounds of serious apprehension, and as serious complaint. We are grieved that, in spite of indications of improvement, every class connected with Cornish mining is suffering, except that class which does least for this great and glorious industry, and shows least concern for its welfare. In truth, the landowners at present, speaking generally, have nearly all the profit to themselves and in some mines they allow for this great and glorious industry, and snows least concern for its welfare. In truth, the landowners at present, speaking generally, have nearly all the profit to themselves, and in some mines they alone derive any advantage. It is notorious that mines in Cornwall have been long worked at a loss, with few exceptions. During this protracted and terrible depression, what sympathy have the landlords exhibited? How many of them have reduced the royalties? Is it not well known in Cornwall that had the landlords been all absentees, and vesified in the satellite or one of the planets they could not have

readers without the conviction that the landowners of Cornwall make a sorry appearance beside the millowners of Lancashire. The latter class behaved with English manliness and humanity, saving their people not only from famine and sickness, but from expatriation, their people not only from famine and sickness, but from expatriation, and even removal from the homes they had occupied, except in inconsiderable numbers at the outset of the distress; and then it was a certain class of philanthrophists who desired to aid the removal of the workmen. If this be true, what are we to think of a Cornish magistrate, who figures in the Times of Monday last, who coolly contemplates the banishment of his fellow-countrymen and neighbours to the coal districts on the following enlightened plan:—The employers—not the landowners, but the employers exclusively—to advance the money for the removal of the miners, and the men to pay back from the wages acquired in their new field of labour the money thus advanced. It is marvellous to perceive the progress of invention even in the region of benevolence. For frugal philanthrophy, we commend all men to the discovery of the Cornish magistrate. Sincerely considering this selfish scheme, how abourd to expect that the very men who have been carrying on mining enterprise at a loss Sincerely considering this selfish scheme, how absurd to expect that the very men who have been carrying on mining enterprise at a loss should advance the money for the removal of their workmen, while the landowners, whose tenants both classes are, quietly look upon the general ruin, gathering something even from the ashes of an industry which they permitted to be consumed, without an effort to prevent the result. Not less than 50,000% a year has for the last 20 years been received by the landowners from the royalties of Cornwall, a sum of 1,000,000% sterling. Surely these are not the men to read lectures or write to the Times, invoking the generosity of shareholders, while they keep padlocks as well as buttons upon their own pockets. It is quite clear that these heavy royalties are weighing down the interest in question, and that the time has arrived when some change should be made in the relation of landlord and tenant in Cornwall. in Cornwall.

Allowing that emigration might improve the condition of the work-Allowing that emigration might improve the condition of the working miner, we ask with profound seriousness what is to become of the mining interest? The landlord is unquestionably entitled to an equitable return for his land, but the equitable rights of the tenants by whom the mining interest is sustained is at least equally important. It appears to us that a just arrangement might be based upon a fair purchase rate, and a proportion of the profits which the intelligence of those interested could regulate. Both would occupy amicable positions, and the general interests of mining enterprise would be benefitted. What an example has been set to the lords of the soil by a spirited and generous member of their own body, who we are sorry to add stands solitarily as such an example. We refer to J. S. Agar Robartes. This gentleman has not only lowered his dues, but actually declined in some cases to receive them; and even, beyond the liberality and wisdom thus displayed, he subscribed for machinery the liberality and wisdom thus displayed, he subscribed for machinery to lessen the severity with which some mining operations press upon the workmen. This honourable gentleman represents the eastern division of the county, and we venture to say the wisdom and good sense of the M.P. will make a tolerable show besides the originality and eccentric philanthrophy of the J.P. THOMAS SPARGO.

Gresham-house, London.

COPPER MINES.

COPPER MINES.

SIR,—As the demand and supply governs the price of every commodity, it must be apparent to everyone acquainted with the state and prospects of the majority of the tin and copper mines in Great Britain that unless some very important discoveries are made in the deep mines they cannot continue to work for many years to pay their way. The best men are leaving the country by thousands, particularly the best and most able description of workmen, known as "tributers," the very young and aged men only being left, most of whom have not the means to venture their labour for three or four months together, consequently there is a dearth of discoveries. In former years, when men had no Australia or California to go to, they risked their labour where encouragement was given to them. The system is very different at the present time. Besides, the richest description of ore has invariably been found within the first hundred fathoms below the adit or day level, and as mines deepen the deposits appear to decline in quality; for example, compare the present returns of mineral ores with the returns during the existence of the first ten years of the majority of the greatest mines we have ever had during the last half century; such mines as Neptune, Fortune, Friendship, Penberthy Crofts, Darlington, Godolphin, Alfred, Virgin, with numerous other mines in the great mining districts of Cornwall. The price of the ore in these mines averaged from 5% to 15% per ton, and frequently parcels from 20% to 30%, per ton, when the price of copper was much about the same as at present. Mines will be continually found in new countries near the surface yielding a rich percentage, and unless the landowners of this country reduce the royalty (or dues), the returns from our mines must greatly fall off, and many of the most productive mines cease to work altogether. Our mines in general yield the yellow sulphuret of copper, but the mines in Chili, &c., the grey carbonates of copper, of three times the percentage, so that to meet competit exist in a few years. the landowners of t exist in a few years. Every encouragement ought to be given by the landowners of this country to the discovery of new mines, as much risk and uncertainty attend the speculation generally, and occasionally a prize is found, or no mines would exist in the next generation. It is a question whether the mines in Chili, Australia, South Africa, or California can pay the working cost, &c., with the standard for copper below 120, or 14s, per unit, nor can the majority of our British mines—new and young mines the exception. of our British mines-new and young mines the exception.

A. BENNETT. Sept. 5. CORNISH MINERS.

SIR,—Mr. Fawcett's letter in a recent number of the Journal is full of good sense, and deserves further notice of your readers. The emigration of the unemployed Cornishmen would be a great mistake, yea, more, it would be a national loss, at a time when the coal mining districts of Great Britain are in want of skilled mining labour. It is notorious that new works in those districts are with difficulty supplied with preferround workers and that all the miners Cornwall can send will be

aggravation of the present scarcity to allow the well-trained Cornish miners to be dispersed in foreign countries.

Emigration implies a tax upon either the local or national purse, and, however humanely managed, it must always entail hardships upon the poor women and children. It would be in this case a gratutions affection, and, if imposed, would confer upon the men no greater prosperty, nor, as I think, more precious ilberties and privileges than they have in the good old country. The alternative has been earnestly put forward by Mr. Fawcett—migration rather than emigration. Employers in other districts would, no doubt, lend a helping hand by advancing the cost of removal if the men could not afford it. The Cornish miners are said to be a fragal people, and would soon earn enough to repay the loan out of wages varying from 5s, to 8s, per day of eight hours for men, and upwards of 3s, for boys. An agency office should forthwith be opened in Cornwall, and advertised in the coal districts, to facilitate engagements between the men and those employers in need of them. Occasionally the incomers might have to put up with a little short-lived opposition from resident miners, but only where a strike existed; and that would easily be provided for by introducing the new hands in sufficient numbers to give confidence and secure immunity from attempts at Intimidation.

The Cornishmen are generally known as educated, sober, regular workmen, and their example would be as a "little leaven" in those districts where education is little valued, sobriety regulated chiefly by the scale of wages, and irregularity of attendance the prevailing habit.

MANING SHAPEDEALING

MINING SHAREDEALING.

MINING SHAREDEALING.

SIR,—After more than three months anxiety and depression, with an almost total cessation of business, the mining market has again resumed its customary activity and cheerfulness; in fact, I may say that a pleasing excitement is continually kept up by the demand for shares in mines, which have for a long time been neglected, and the names of which the brokers had almost forgotten. The enquiry for mining investments, together with the reduction of the Bank rate of discount, and the rise in prices of metals has, of course, had a very favourable effect on the prices of all legitimate and bona fide undertakings, and in many instances shares have risen in value as much as cent. per cent. I find, however, that advantage has been taken of the general demand by promoters, and several unprincipled persons, to put on to the market and before the public various schemes and undertakings, the carrying out of which, I should imagine, the most sanguine investor would scarcely contemplate, and I would, therefore, recommend all persons desirous of investing to be particularly cautions in selection, as prospectuses and circulars are now got up in such a manner that none but those who have either a practical knowledge of the different mines and districts, or of the stability of the names attached, can in any way detect the spurious from the legitimate undertakings. Many private individuals have lost large amounts of money by placing too much confidence in the reports and statements of promoters and self-styled mining agents and engineers; but if the public would, before purchasing, have the properties inspected by some practical man, or ask the advice of a mining agent whose knowledge and experience enable him to give reliable and valuable information, losses in mining would be less frequent, and the more legitimate undertakings would be better supported. There are many who buy and sell mining shares, and have no knowledge whatever of the real value of the property in which they are speculating, but are guide SIR,-After more than three months anxiety and depression, with

DEEP AND SHALLOW TIN MINES.

DEEP AND SHALLOW TIN MINES.

SIR,—The sound practical advice given by your highly esteemed correspondent, Mr. Charles Thomas, in last week's Journal, will receive that attentive consideration which his honourable position and great experience so surely justify. Now that the recovery of the markets has inaugurated a favourable time for investing in British mining, and especially tin, he gives, as the result of his experience, the well-timed counsel to select, as a rule, young and shallow tin mines, rather than old and deep ones, and there cannot be a doubt that (with a very few exceptions) the surgestion is sound. Shallow mines are much better able to battle successfully with the fluctuating markets of the present day, and realise much larger profits, compared with outlay, when prices are good—that is, presuming, of course, that the ore is forthcoming, and tolerably regular.

Perhaps there is no young tin mine more honestly worthy of the attention of those who take an interest in such matters than Furze Hill Wood, at Horrabridge, near Tavistock, recently brought into such painful notoriety by the sad accident which cost the lives of several poor fellows. Previous to that sad event the very existence of the mine was, perhaps, little known to the general public but had not the accident occurred, the word "dividend," which is such an excellent introduction into polite society, would, probably, cre this have brought it into general notice. The adventurers had found their efforts so nobly seconded by the regular and increasing returns from the mine, that they were working quietly on, content to enjoy their seclusion, until that dividend state, which seemed then so imminent, forced notoriety upon them.

The accident came, and caused expenses and delays which have placed everything, for the time, under a cloud. But this very fact makes Furze Hill Wood even more worthy the attention of investors who really understand mining, inamuch as it affords opportunities of becoming shareholders on nominal terms, which did not exi

THE COPPER TRADE, AND ITS PROSPECTS.

SIR.—Under this heading I see a letter in last week's Journal, signed "Observer," referring to the probable new fields for copper mining in North Lancashire and Cumberland. I happened very signed "Observer," referring to the probable new fields for copper mining in North Lancashire and Cumberland. I happened very lately to be moving about through Cumberland and part of the South of Scotland, bordering on the Solway, a most remarkable geological district of county, and there, in a very obscure place on the seaside, near to the village of Auchencairn, I found some mining operations going on. At this moment I forget the name of the proprietor of the estate, which embraces on its surface some very remarkable appearances, so treasured by miners; hills of considerable height, probably 300 ft., rise rapidly from the sea-board, together with the close proximity of granite to the clay-slate; while the rocks on the actual shore, and in a portion of the cilifs, are porphyritic and congiomerate, changing, though very suddenly, to clay-slate towards the east. Here, in a valley lying between two of the hills I have referred to, a shaft has been sunk, and an adit is in progress of driving from the seaside. It was quite a surprise to come upon such a seam during our walk; and, as the climax to the interest excited in our minds by the general features of the locality, the manager or captain gave us a very intelligent account, and pointed out to us the surface appearances which led to the discovery now prosecuting. The depth reached is but little—some 12 or 18 fathoms, he told us—but certainly the heap of ore he called our attention to did astonish us. My friend's knowledge of such matters lead him to the conclusion that the produces a large quantity of ore, as the extraordinary produce at this depth (it came, we were told, from the driving towards the west, at 12 fms. of depth) promises, it will open up an important field for enquiry for mining men in this remarkable district of country; and I feel convinced, from all we saw here, there is very much to be learned about it.

We were informed it had been undertaken by a few individuals, and not by a company. The place itself is called Belcary, and I faney ou will h

PROSPECTS OF THE GWENNAP DISTRICT.

SIR,—Since my last there has been a continued improvement in the market price of several mines which I have long since recommended to the public, among which may be noticed CLIFFORD AMALGA-MATED, TRESAVEAN, and WHEAL ROSE. The former has risen in value since the beginning of last month about 20,000L, which is a small amount when the importance of the improved price of copper is considered. A further rise in the standard fortin, which is considered inevitable, will make a difference in the money returns of more than equal to a dividend of 10s, per share; and in a mine of such magnitude, with a large staff of utworkmen employed, discoveries are constantly being made—indeed, there are points to come off in in a short time which will tend further considerable time or the investor to make a purchase. A considerable enquiry has sprung upfor or the investor to make a purchase. A considerable enquiry has sprung upfor the the word than ordinary prospects of a rich mine are taken into consideration; but, having fully alluded to this mine in previous communications, I am contained the more than ordinary prospects of a rich mine are taken into consideration to the but, having fully alluded to this mine in previous communications, I am contained the more than ordinary prospects of a rich mine are taken into consideration of this mine. In that paragraph an attempt was to show that the more than ordinary prospects of a rich mine are taken into consideration of this mine. In that paragraph an attempt was to show that the more than ordinary prospects of a rich mine are taken into consideration of this mine. In that paragraph an attempt was to show that the more than ordinary prospects of a rich mine are taken into consideration of this mine. In that paragraph an attempt was to show that the more than ordinary prospects of a rich mine are taken into consideration of this mine. In that paragraph an attempt was to show that the mine could not be worked without a yearly loss of something like them who have gone into it through my r SIR,—Since my last there has been a continued improvement in the arket price of several mines which I have long since recommended

will be laid open. WHEAL ROSE I have often advocated as being a good mine, under management second to none in the county, and I am glad to see that the public, before putting their money into mining, are governed in a great measure by the ability and judgment displayed by those who are entrusted with the conduct of operations. But few mines in the county have had a greater rise in market value since the reaction has set in than this, which amounts to more than 100 per cent., and I attribute it entirely to the public preferring to entrust their money in the hands of parties qualified by business capacity, as well as the one-stded qualification too often called by the missoner of "practical men." One little instance among others which have lately come under my notice may suffice to show the policy of appointing properly qualified men for the carrying out of mining operations, is that of a "halvaner" (the meaning of the word being well known to every one connected with mining) having returned 25 tons of ore in two months from the refuse thrown over the burrow, after being dressed under the supervision of those in authority. I need not, therefore, inform those who are acquainted with mining that it is impossible the share-holders can ever receive their proper quota of the refusers from such a mismanaged concern, however much ore is being sent to ket; and in all my recommendations to my clients I make this a point of ms., importance, believing it as much impossible for mines to succeed without proper management as any other business.—St. Day, Scorrier, Cornseall, Sept. 5. Charles Sawden.

THE SLATE TRADE IN THE UNITED STATES-No. II.

SIR,—Resuming this subject, according to promise, perhaps I should here speak of some of the difficulties this class of roofing material has had to contend with in America. In Europe slate has long been regarded, and justly so, as of the first importance for roofing purposes; but to introduce slate upon a large scale in America was an undertaking which entailed much time, argument, and perseverance. Every class of invention to the same end soon rallied their hosts, and made war upon the stranger, sparing no perspective prefinedity. and made war upon the stranger, sparing no persuasive pertinacity in order to drive every vestige of commendation in slate (so well known to the Old World) from their soil. Many novel and imperfect discoveries, purporting to be some grand invention, have every now and then arisen to supersede the use of slate. In some cases, the public, until recently, have been duped by the adoption of the new compound, which has been chemically or otherwise prepared—the salesman, of course, setting forth as the chief recommendations the salesman, of course, setting forth as the chief recommendations the strength and durability of the article to be sold. It may be said with truth that hitherto the art of chemistry and the inventive faculties of the human mind have failed to supply the market with an article for roofing in any way comparable to the convertible slaterock, which nature yields in great abundance. Those opposed to the use of slate in America have done their best to engender a suspicion in the public mind to the effect that a difference in the colour of slate. in the public mind to the effect that a difference in the colour of slate indicates indurability. As in this country, so in America slate deposits yield a variety in colour; the opponent on the other side of the Atlantic adduced no evidence in support of his theory, but simply made the unqualified statement that "red and grey slates are not lasting," and vainly predicts their decay and utter decomposition in from 15 to 20 years. Nothing could be more absurd than giving publicity to such extravagant notions. Had they consulted the book of experience they might have known that the red and grey slates have served as an effective covering for ages past, and, from careful inspection, there is every probability of their lasting for ages to come. Again, the changes of colour which now and then take place in slate quarried near the surface has been made a pretext of, as indicating indurability. As with the red and grey slate so with these—their "endurance of weather" has long placed this question beyond dispute; the slight variation in colour is only named by persons "more nice than wise"—an hypothesis unnamed by our European customers. Space here forbids giving an opinion as to the cause of this change; still it will be sufficient for our purpose to observe that, providing discoloured slates are manufactured from the same bed or vein as those of greater depth, the mere change in colour will not materially affect the fact of their durability; the greatest misfor. in the public mind to the effect that a difference in the colour of slate vein as those of greater depth, the mere change in colour will not materially affect the fact of their durability; the greatest misfor-tune in the future will be against the manufacturer—their lasting too long. Having disposed of the principal objections to the use of too long. Having disposed of the principal objections to the use of slate, I would here make some remarks on the classes of slate-rock as discovered in the State of Pennsylvania. A very large range of what we call band rock passes through the county of Northampton. The band varies from \(\frac{1}{4}\) to \(\frac{1}{2}\) in, in breadth, and from \(\frac{2}{2}\) in, and apwards apart from each other, and crosses the grain in a manner to yield additional strength to the slate. The slate-rock itself is very pure; still the bands greatly differ in the admissibility of cleavage, as by far the greater number of lands passing through this range of slate. still the bands greatly differ in the admissibility of cleavage, as by far the greater number of bands passing through this range of slaterock are composed of bastard flint and slate, and, though in some cases the cleavage is wrought, the slates are coarse, and of second or third quality, when compared with such quarries as Chapman's, on the same range. No make of slates on the coarse part of this large seam has ever been profitable to the adventurers, and I venture to say they never will. The fine, close texture bands in the Chapman Chaptry, if there is any difference, work more freely than the pure Quarry, if there is any difference, work more freely than the pure rock itself; thus, while the proprietor has the pleasure of rendering a superior article for the market, he gains for himself a high recompense in the shape of profits as the result of his superior knowledge of this class of deposit, and has the good fortune of securing to himself and his successors a property that will continue to yield for ages increasing returns. A second range of slate-rock is what is called the Delaware and Lehigh, or Mountain Range—so called because the the veins extend, though interruptedly, from beyond the Lehigh River on the south-west, along the foot of the Blue Mountain, beyond the River Delaware a distance of more than 20 miles to the yond the River Delaware, a distance of more than 20 miles to the north-east. This range is not so tractable as the one mentioned above; at some places it runs so deep that not the least trace of it can be seen for many miles, and often where a protrusion is seen it is quite out of the line proper. These slates, both for smoothness and cleavage, closely resemble the Ffestiniog slate of North Wales; but, as there are a number of veins on this range, there is, consequently, a wide difference in the quality and yield of slates; in proportion to the depth of the workable slate-rock from the surface so will be the capital required and the profits yielded.

capital required and the profits yielded.

Pennsylvania Quarry, mentioned in my last, turns out good slates within 10 ft. of the surface, the whole estate presenting the most conclusive evidence. The same results may be expected throughout the entire length of the property. The slates, being in quality No. 1, will find a ready sale.

JOSEPH KELLOW.

Dorothea West, Nantlle, Carnarvon, North Wales.

HINTS TO INVESTORS.

SIR,—Presuming that we are approaching towards a period when money will be again abundant, I wish to call attention to an "ab-sorbent" by means of which, and especially in seasons of abundance, hundreds of thousands of pounds of good English money are annually sorbent" by means of which, and especially in seasons of abundance, hundreds of thousands of pounds of good English money are annually abstracted from the pockets of confiding and not over-cautious investors, and the greater part of those immense sums are not only in most cases entirely lost to English enterprise, but in many cases (I am afraid only too many cases) tend to help creating competition with such enterprise, being also sometimes used as magnets to draw still more cash from British pockets. I allude to foreign mine speculations on ansound bases. Far be it from the other allude to foreign mine speculations on ansound bases. Far be it from the object of the entire globe; but I trust that everyone who opposes and exposes what may be called dispituate mine enterprises promotes by so doing tegitimate ones. Past experience dictates, and I trust future experience will bear out the truth of the—let us call it—rule that outsiders should never invest any money in any foreign mine speculation where (say) more than one-twelfth (of course, there are exceptions to that rule, easily discernible to careful enquirers) of the capital is to be spent otherwise than in actual working expenses. By following the above rule, hundreds of thousands of good English sovereigns will be prevented from flowing into the pockets of seedy foreign "mine proprietors," and spurious "promoters;" while, at the same time, real bons fide rocepting, financially, soundly, and well got up, will not at all suffer, and honest foreign mine proprietors and bons fide promoters will be liberally paid and recompensed; while, it is to be hoped, a balance of the money thus saved from irrecoverable loss may find its way to encourage home enterprise, which, especially now, furnishes quite aufficient food for any amount of spirit of speculation. Take for examples linking for coal beds in strata where they are only suspected to exist, mining in imperfectly developed districts, &c. Mining has been looked upon and blamed, very much in the same way as the sal

what use is it to continue working even for that amount, if it is raised at a considerable loss? But let us examine the matter a little more closely. The stars

what use is it to continue working even for that amount, If it is raised at a considerable loss? But let us examine the matter a little more closely. The stamping and drawing are all done by one small engine, the stamping occupying only 8 hours in 24, except from Saturday night to Monday morning.

Now, I would like to ask the managers of some of the best tin mines in the county what sort of a balance-sheet they would be able to present to the adverturers on account-day supposing they were limited to such a patitry machine power as that? I am quite aware of the serious difficulties which our middle except and the continued working of our mines was dependent on the efficiency of means employed, and Trenerom was to be the model for others to follow, the gloomy predictions of Mr. Merifield's letter would soon receive a literal fulfilment, Sept. 4.

EAST CARN BREA, AND ITS MANAGEMENT.

EAST CARN BREA, AND ITS MANAGEMENT.

Sirk.—A great deal has been said as regards the mismanagement of this mine by the late manager, but in looking strictly into matters the following will show what better the present manager has done. I think, Mr. Editor, the Journal shows at the April meeting of shareholders a balance in favour of the mine of 716L and 100L. advanced on tribute, making loogother 816L in round numbers. The late manager left the mine at the end of May; during this month he sold about 1177L worth of copper ore, and about 48L worth of timer, against a cost of 716L 7s. 3d., leaving a surplus profit, when he left the mine, of a bout 148L for the shareholders. The present manager took his place in June, and the accounts presented at the last meeting show copper ore sold 558L, against the cost of upwards of 1000L, making a loss of about 442L. The sale of ores for July and August is about 130L against which 400L of royalty is charged, but no other cost; then I will assume the two months' cost to be 1500L, which will make a loss of about 500 Then, let us look at the present manager's report, in the Journal of last Saturday week. It states, "for the next two months we shall raise about 300 tons of copper, at a cost of about 1750L." In examining the past sales of copper ore, it is worth about 35. 10s. per ton on the average; at this rate 300 tons will fetch about 1050L, leaving a loss of about 700L. Under Capt. Glanville's management a balance in favour of the mine of 1384L, and the present manager a loss of about 1742L. Then the loss of 1742L against the profit Capt. Glanville's management a balance in favour of the mine of 1384L, and the present manager a loss of about 1742L member will be in debt at the end of October, if those reports and accounts are correct, about 358. How much better are the shareholders off by the change of management?

A PRACTICAL MINER.

GOLD MINING IN BRAZIL.

GOLD MINING IN BRAZIL.

SIR,—If Mr. Günther had read attentively my letter of August 2s, he would have discovered that instead of declining to accept his challenge of the 18th, I offered to double the amount, and should be content to lose it, provided he produced legal proofs that his accusations were true. Mr. Günther seems to be surprised at my saying—"Until I prove by proper authorities that such accusations as Mr. Günther was pleased to launch against us were quite scrious enough to demand cridence in the matter, notwithstanding Mr. Günther saying—"I ought to have eaten his charge of shooting down human belings like wild beasts, in quietness; they were only a few caim words said in self-defence!" Mr. Günther's remarks on my having reaped handsome profits in the Montea Auroes Company, other than my salary, is also untrue. I held a few shares from the commencement, and, on leaving that place, thought they were worth money, but from reasons already made known, they subsequently turned out to be almost valueless. Mr. Günther, preferring a clear conscience to hard cash, and on leaving that place freeing his slaves is praiseworthy. Such deeds of charity are nothing new; many others have done so before; but this is foreign to our subject, and has nothing to do with it. I now, Mr. Editor, beg to bid you added on the invent, I shall take no notice of for the present.

Cambrian Cottage, Dolgelly, September 4.

**A pressure on our space compels us to postpone several letters—aword.

* A pressure on our space compels us to postpone several letters—among them, the continuation of Collieries and Colliers—Mechanism in Tin Mines— A "Colliery Engineer" on the Patent Laws—and, unavoidably, "Ex Officio" on the Dyfugwin Mines.

Meetings of Mining Companies.

QUEBRADA LAND, RAILWAY, AND MINING COMPANY.

An extraordinary general meeting of shareholders was held at the London Tavern yesterday,—Mr. WILLIAM SALMON in the chair.
Mr. J. WRIGHT, C.E. (the manager), read the notice convening

e meeting. The Chairman having apologised for the unavoidable absence of The CHAIRMAN having apologised for the unavoidable absence of the Chairman of the company, stated that the object of the present meeting was not to pass a resolution, but to inform the shareholders as to the actual position of the company, and to ask the counsei and assistance of the shareholders as to certain suggestions relative to the most advisable course to adopt for the future. The directors considered the re-formation of the company was absolutely esential, and might be very easily adopted without pressing hardly upon the shareholders, and yet give sufficient capital to make the valuable property remuneratively available. The great inducements for the company to take this step was, in the first finitance, the enormous value of the mines, which had been mine was incalculable, but in addition there was another mineral property of commous value; but it was altogether unnecessary for this company to turn their attention to the latter mine, having in the Quebrada Mines occupation enough for, certainly, the lifetime of the present shareholders in realising its enormous resources. Upon this point Capt. Prince, the present superintedness of the mines, states that "the company have a mine here which would be the same in comparison to the richest in Cornwall as the Great Eastern to a stear tug, to say nothing of the other mines, timber, and independent traffic." The next point was that which might be called its vegetable value, under which head he included the timber. They had a report from their resident medical migrature of the mode of preparing indigo. We have any amount of it growing wild here, and I think it could be turned to account, but I am ignorant of the mode of preparation. Other plants, which I will mention in wy next, abound, and I am of opinion that above ground on the estate will prove in the future to be nearly as valuable as below. As this paragraph may seem very obscure, will law yill not more than the country of the mineral country in the producing almost. Accordance of the mode of the producin Chairman of the company, stated that the object of the present meeting was to pass a resolution, but to inform the shareholders as to the actual position to pass a resolution, but the counsel and assistance of the shareholders as to that many shareholders would be very glad to advance money upon debentures. During the two years, while the expenditure of the capital was going on, there would be raised and calcined some 4000 tons of ore, which would be of great value. They undoubtedly possessed a very valuable property, from which enormous profits could be derived, and from three distinct sources, and his carnest advice was to the shareholders to cling most tenaciosity to it. He was not advice was to the shareholders to cling most tenaciosity to it. He was not advice was to the shareholders to cling most tenaciosity to it. He was not advice was made happy by the prosperity of the Quebrada Company. (Hear, hear). Mr. G. L. Browne (the late Chairman) most entirely agreed with the recommendation of the board for the reconstruction of the company, and moved a resolution to the effect "That the directors be requested to proper and circulate among the shareholders a proposal for the reconstruction of the company, and to take such steps as may be legally necessary for obtaining their decision thereon."—Mr. R. Walkins seconded the proposition.

A SHAREHOLDER suggested the propriety of forming an independent company—to act in concert with the mining company—for the construction of the railway.—Mr. Gilebilill said great credit was due to the present board for having secured a perfectly clear title to the property, but as regarded the suggestion of the directors, he would rather advocate the issuing of preferential shares. The CHAIRMAN, in reply to questions, stated that the whole of the debentum money would be returned in full to the subscribers. He considered that the same time his strong advice would be to the shareholders never to give out of their hands the power of transit, which was a point of the board would be very far better in the end for the shareholders, and certainly very much chaper. Directly the railway was made up to Palma Sola apoint of the mines—that is, from land and timber.

Mr. Consul Hemming enquired of Col. Strange the cost of pr

and other additional, but necessary, works would be something like 700l. per and other additional, but necessary, works would be something like 700l. per and other additional, but necessary, works would be something like 700l. per and other additional, but necessary, works would be something like 700l. per and other additional, but necessary, works would be something like 700l. per and other additional, but necessary, works would be something like 700l. per and other additional, but necessary, works would be something like 700l. mile, of the per ton.
ore for 10s, per ton.
Mr. Consul HERMING contended that course should be adopted forthwith, for

ow for 10s, per ton.

Mr. Consul HEMMING contended that course should be adopted forthwith, for Mr. Consul HEMMING contended subsequently for construction of a rallway. Colonel STRANGE, although admitting that the traction-engine scheme would colonel STRANGE, although admitting that the traction-engine scheme would be abvase that enormous value that eventually a permanent rallway would be abvase of that enormous value that eventually a permanent rallway would be abvase of the tenormous value that eventually a permanent rallway would be abcutted to the construction of the scheme had self-united to the construction of the scheme, stated that Mr. The CHAIRMAN, referring to the traction-engine scheme, stated that Mr. Crosskill, the manufacturer of traction-engines, in the presence of the board, Crosskill, the manufacturer of traction-engines, in the presence of the board, Crosskill, the manufacturer of traction-engines, in the presence of the board, or this company. Having referred to Mr. Consul Hemming's connection for this company. Having referred to Mr. Consul Hemming's connection for this center in Venezuela which could not be used, and that two had been these engines in Venezuela which could not be used, and that two had been these engines in Venezuela which could not be used, and that two had been tried in the Government dockyards of this country, but were not had also been tried in the Government dockyards of this country, but were not had also been tried in the Government dockyards of this country, but were not as moved by Mr. Browne and seconded by Mr. Rawlins, which was carried an moved by Mr. Browne and seconded by Mr. Rawlins, which was carried unanimously.—A vote of thanks to the Chairman) then put the resolution,

BRITISH SLATE COMPANY.

A general meeting of shareholders was held at the offices, King William-street, on Sept. 1,—Mr. John Robinson in the chair.
Mr. John A. L. Barnard (the secretary) read the notice convening the meeting, and the minutes of the last were approved. The balance-sheet, made up to July 31, showed a balance of profit and loss

Mr. John A. L. Barnard the minutes of the last were approved. The balance-sheet, made up to July 31, showed a balance of profit and loss of 31001. 13s. 5d.

The report of the directors stated that the progress of the company during the year has been of the most satisfactory character. The Yron Quarry has progressed to a very considerable degree. An additional area of rock has been cleared, and during the past year no less than 125,628 tons of rubbish have been removed, which tends to the great point of obtaining a large area at the bottom of the que titherto cardully abstained from working. This rock, in reading the state of the part of the control of the part of the part

are carried out they feel convinced that the present is but a step in the increasing prosperity of this company.

The CHAIRMAN said the directors had much pleasure in again meeting their fellow-shareholders, and he was glad to see so many of the large shareholders present; the fact was that out of some 180 shareholders a large number resided in the country, at a considerable distance from London, and whose attendance at these meetings not only involved considerable inconvenience, but also considerable expense. It was hardly fair to expect that all would or could attend, and it was for that reason the directors determined in the first instance to issue in their reports full details of the works and progress of the company, and he really thought this much the best plan. These detailed reports were in the hands of all the shareholders some days before the meetings, and an opportunity was thus given them of carefully reading and examining the reports, so that if any shareholder who found it inconvenient to attend the meeting saw any matter requiring cyalanation, he had an opportunity of attending the meeting, or falling that, he had still (if important) the opportunity of attending the meeting, or falling that, he had still (if important) the opportunity of attending the meeting, and making the enquiry personally. The result was, instead of a meagre report, to be subsequently followed by a long and explanatory speech from the Chairman, the report explained itself, and instead of a speech from lim, he really had nothing to make a speech about; he was not sorry for that, as he very much preferred working to talking. He would be very glad to give any explanation or information that the shareholders present may think desirable, and the report now before them, so fas as he knew the affairs of the company, was a fair and straightforward account of its position and prospects, and he had much pleasure in moving its adoption.

The SECRETARY, in reply to a question from Mr. W. Ashton, stated that the liabilities had been red osperity of this company.

The CHAIRMAN said the directors had much pleasure in again

profits the shareholders would eventually realise would be regulated only by the extent to which the workings were opened out. Those shareholders who had not visited the property could form no conception of its enormous extent and character. When visiting the property, a few days ago, he found the whole of the works going forward with that energetic determination which should characterise a large company of this description; the new works and operations were also being carried out with vision; and buildings and machinery were being rapidly constructed for the further development of the property. He saw one building alone at Caedryn constructed, in which it was intended to place no less than eight of Hunter's machines, besides planing machinery of every description. He felt quite convinced that after seeing the property every shareholder would be thoroughly satisfied with his investment. He thought the directors had done a very wise thing in limiting the dividend to 9 per cent., as the residual profits has been most advantageously employed in the necessary works, and great credit was due to the managers at the quarries, who were most practical, efficient, and hard-working servants of the company.

and great credit was due to the managers at the quarries, who were most practical, efficient, and hard-working servants of the company.

Mr. PARLEY had been informed that the famed quarry, known as Lord Palmerston's, had not reached the present position without an expenditure of nearly a quarter of a million of capital; and this was a circumstance that the shared the present position of the property and the ways bear in mind, seeing that they were the possessors of a property far more extensive, and much more valuable.

The proposition adopting the report and balance-sheet was put and carried unanimously.

manimously.

The CHAIRMAN said the next resolution he had to submit was with reference to the dividend, and therefore he had to propose that a dividend be declared upon the preference shares at the rate of 9 per cent. Per annum for the half-year commencing Feb. 1, upon the amount then paid by the shareholders, as also upon such sums as have been received on account of shares from that period to July 31, from the respective dates of payment.—Mr. H. E. SULLIVAN seconded the resolution, which was carried unanimously.

Mr. INCHIBALD proposed that Mr. John Robinson be re-elected a director of the company; and said he could not allow that opportunity to pass without stating that he had known their worthy Chairman for many years, during which his tion

cardinal characteristic had been undaunted energy and perseverance, which had met with that success it deservedly merited. He had great pleasure in moving the resolution. —Mr. C. A. Thoun had much pleasure in seconding the motion, which was carried unanimously.

Mr. JOHN WILLIAMS proposed, and Mr. WARDROPER seconded, a resolution that Mr. John Kirkham be re-elected a director of the company, which was carried unanimously.

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Mr. Persent gave such expressions of confidence in the directors, and he had not only to than the the same effect. While it is not way at run grower of directors to command success, yet in this company they had done and would continue to do their best to deserve it.

Mr. PARLEY then proposed—That the energy and ability they have exercised in conducting the affairs of the company; and the meeting, in order to show its full and entire confidence in the directors, and in appreciation of their hitherto desires to which the attendance fees to which they are entitled, further desires to wice the sum of sold, of which fold, should be especially appropriated directors were largely interested, but that was no reason why their valuable services should not be at least acknowledged in a substantial way. There could be no doubt that they owed their success to the indefatigable industry and ability of the company, he had heard it said, by a party who was not a shareholder—How down the substantial way, and the meeting the company, he had heard it said, by a party who was not a shareholder—How down the substantial way and the substantial way and the substantial way and the substantial way and the company without according to which deared and the substantial way and the substantial way available as net to which th

erest of the company.

The usual courtesies to the Chairman terminated the proceedings.

CRENVER AND WHEAL ABRAHAM UNITED MINING COMPANY. An extraordinary general meeting of shareholders was held at the

An extraordinary general meeting of shareholders was held at the offices, Cannon-street, on Wednesday,—Mr. A. CALDER in the chair. Mr. R. SHARP (the secretary) read the notice convening the meeting. The report stated that the proprietors were fully aware that it was impossible to continue operations under the present constitution, however promising and ultimately remunerative they may be, unless the shareholders respond to the appeals made to them to pay up the amount of their calls in arrear, and those yet to be made, in advance. No adequate response having been made to the appeal in the circular of Aug. 15, the last meeting agreed with the directors, that any further capital must be obtained under a reconstitution of the company, and that, meanwhile, their first attention and primary object should be, to keep the property free by paying off all debts, and that means must be taken forthwith to do this. In order to carry out those intentions, and enable the other of the forms of liquidation of the present company, and constitute a new one afterwards to take over the property.

The CHAIRMAN apprehended the shareholders were aware of the objects that the directors had in view in convening the present meet-

through the forms of liquidation of the present company, and constitute a new one afterwards to take over the property.

The CHAIRMAN apprehended the shareholders were aware of the objects that the directors had in view in convening the present meeting—namely, to save the admittedly valuable property of the company, and to provide means to make it remunerative. At present the company was labouring under a debt of 10,6001, to liquidate which but one remedy could be adopted. A considerable amount of capital remained uncalled, but that for the moment was unavailable, because 5s, calls only could be made, which would not meet the imperative demands upon the company; therefore, it was proposed that a resolution should be passed "That it is desirable to reconstruct the company, and for that purpose to call up the remainder of the capital, and render its property free from all liability and debt." The next point was—How could the property be made a source of profit to the company? That, he need hardly say, was a point the directors had most carefully considered; and they were unanimously of opinion that the only way it could be accomplished was by the reconstruction of the company; and having been promised a considerable support, proxies having been placed in their hands representing upwards of 4400 shares, the directors had determined to issue a new prospectus. It was proposed that each shareholder should subscribe for an equal number of shares in the new company, which would be 71, shares, with 51, pald, leaving an uncalled-up capital of 2, per share. So that if the possessors of 10,000 shares subscribed for an equal number in the reconstructed company there would be a capital of 20,0001, which would place the company in a sound financial position. The mines were in a first-rate condition. They knew the copper was there, and, therefore, the only thing required was an efficient and economic development. He then moved the first resolution—"That it is desirable to reconstruct the company was 10,6001, of which about 620

carried out in a legitimate way, and with summer capital and been expended in the purchase and drainage of the mine?——The Chairman replied that the company had expended between 70,0001, and 80,0001.

Mr. Kimber, in reply to a question, stated that all the vendors who could had paid up their shares. The shares subscribed for in September last had been paid upon, the capital having enabled the continuance of operations till the present time.——Dr. Barker had no doubts as to the solidity of the undertaking, the one question being that of capital.

Mr. Kimber said when the basis of reconstruction was laid before the shareholders it would, of course, be optional for everyone to say whether he took an

one question being that of capital.

Mr. KIMBER said when the basis of reconstruction was laid before the shareholders it would, of course, be optional for everyone to say whether he took an
interest in the reconstructed company or otherwise.

Mr. BURIDGS said he should agree to a reconstruction, simply because there
was no help for it, and because he had the greatest faith in the value of the property.—Mr. KIMBER mentioned that an offer has been made to the directors
to complete the drainage of the mines for a specified sum, of which a large
proportion would be taken in shares.

The CHAIRMAN said the management had been complained of, but a distinction should be drawn between the old and the new board, for the latter had dur-

ing its brief existence exercised the greatest care, caution, and discretion, and,

The thought, with some success.

The resolutions (of which notice had been given) were severally put and carried. They were to the effect that the company be wound-up voluntarily; that the present directors—Mr. D. Wilson, Mr. R. D. Buchanan, Mr. A. Calder, Mr. F. Jennings, Mr. H. Kimber, and Mr. W. F. D. Stephens, with Mr. W. Penn Gaskell, of the firm of Messrs. Gaskell and Neats, public accountants, be appointed liquidators; and that the liquidators be authorised either to suspend the works of the company temporarily or otherwise, or to carry on the business and works of the company, in whole or in part, and also to make arrangements for the sale and transfer of the company's mines and works to another company, formed of the present shareholders or others, or to such person or persons as they may consider best for the interests of the company.

A vote of thanks to the Chairman terminated the proceedings.

GREAT WESTERN AND FOWLER'S UNITED COLLIERIES.

of the present shareholders or others, or to such person or persons as they may consider best for the interests of the company.

A vote of thanks to the Chairman terminated the proceedings.

GREAT WESTERN AND FOWLER'S UNITED COLLIERIES. The adjourned general meeting of shareholders was held at the offices, King-street, Cheapside, on Tuesday,

Mr. ALEXANDER HALCOMB in the chair.

Mr. F. T. NEW (secretary) read the notice convening the meeting.

The report of the directors stated that the ordinary difficulties always to be encountered by a new proprietary in the commencement of their undertaking have arisen to prevent the progress of the company from being so great as could have been desired; but the efforts of the directors have been and will continue to be directed to the full development of the resources of the company from being so great as could have been desired; but the efforts of the directors have been and will continue to be directed to the full development of the resources of the read of 18,000 tons per annum, and for the six months ending June 20 at the rate of 31,200 tons per annum, nor over 40 per cent. This increase, together with a careful and economical supervision of the working expenses, noable the with a careful and economical supervision of the working expenses, noable the with a careful and economical supervision of the working expenses, noable the with a careful and economical supervision of the working expenses, noable the with a careful and economical supervision of the working expenses, noable the with a careful and economical supervision of the working expenses, noable the with a careful to a full of the response to the termination of the contract of the co

and Messrs. Johnstone, Cooper, Wintle, Evans, and Mr. James Williams, the retiring auditors, were re-elected. Votes of thanks were passed to the Chairman, directors, and secretary, and the proceedings terminated.

TRURO, SEPT. 6.—In last week's Journal I stated that the mines of the Truro district had much improved, naming among the most prominent Chiverton Moor, where they have a splendid course of lead; the shares which sold on Monday last at 4½, to 5 are to-day 6½, to 7½, and are likely to go to 15 or 20; this mine is close to and on the same run of lodes as its rich neighbour, West Chiverton. North Treskerby, although so much written against, not only maintains its price against all opposition, but the shares have advanced 15 to 20 per cent, in ten days. There is no mine in Cornwall better managed, both financially or otherwise, than this mine is, and market operations should not influence legitimate shareholders. The rise in the and copper this week has not been without its influence on most of the mines. Pedn-an-drea has much improved in the bottom levels, and it is confidently believed by local shareholders and others of the district, that the persevering adventurers will at last, afterso much outlay, be rewarded for their capital and patience. These shares, which were actually being given away three or four weeks since, are 20s. to 25s, buyers. South Crofty is looking well, and the shares have advanced from 10 to 12½, or 13 buyers. Wheal Sparnon also looks well; this mine is immediately east of East Carn Brea. The rise in back of the 20 is nearly through the elvan, and worth for copper from 15t. to 20t, and a great improved during the last month. Budnick Consol is another instance where perseverance succeeds and is rewarded. The adventurers here—although no calls have been made for three years, and operations at last suspended; yet one large shareholder, who had lost above 2000t, carried on with the present company one quarter of the mine, which, from present appearances, is likely to repay him the whol

revolutionised our mining share markets; it is not too much to say that during the last few lays there has been an incomparably larger amount of business transacted toan at any period within the last two years. The impression is prevalent that mining has for some time seen its darkest day; a result ardently hoped for by those who feel an interest in the welfare of our country, but more especially of Conwall, which has long suffered from a great depression—a country so dependent upon its mining interests. It is quite within the range of probability that, ere long, copper and tin will be at as high a figure as they have attained for years past. We may state with propriety that shares in the majority of our mines have enhanced in value to the extent of at least 25 percent.; Tincroft 30 per cent.; Cook's Kitchen 35 per cent. East Bassets, East Russells, and Chiverton Moors have also advanced, whilst East Caradon and North Treskerby have shown a slight tendency in the opposite direction, owing, probably, to some failing off in the mines." The prices are as annexed:—Cambonne Vean. 14 to 1½; Cara Cambonne, 13d, to 1½; Chiverton Moor, 6% to 7; Clifford, 12½ to 13½; Cara Cambonne, 13d, to 13½; East Caradon, 73½ to 8½; East Caradon, 73½ to 8½; East Grenville, 2½, to 25; East Russell, 2½ to 25; East Caradon, 73½ to 8½; East Caradon, 73½ to 8½; East Caradon, 74; to 74; to 75; Providence, 27½ to 32; South Crofty, 13 to 14; Falmouth and Sperries, 2¾ to 3; Prince of Wales, 1 to 1½,—A. E. Prince

HOLLOWAY'S PILLS AND OINTMENT—PHYSICAL STRENGTH.—For the proper development and nourishment of the human body, it is essential that the functions of the stomach, liver, kidneys, and bowels be performed with order and regularity. Holloway's remedies readily ensure both. The powers of the stomach are greatly augmented, and good gastric juice scereted in abundance, when this oinement is diligently rubbed twice a day over the pit of the stomach. The pills and ointment enable it to extract all the food's nutritive matter, and to thoroughly digest most articles of diet. Holloway's preparations not only preserve the frame from "wear and tear," but stimulate it to store up nervous energy, as necessary to vitality as the mainspring of a watch.

Mining Correspondence.

BRITISH MINES.

BEDFORD UNITED.—J. Phillips, Sept. 5: There is one stope in the back of the 113 producing 2½ tons, and one 3 tons of ore per fathom. The lode in the 103 end west is 18 in, wide, producing good stones of ore, and looking more promising. The three stopes in the back of this level are worth respectively 2, 3, and 3½ tons of ore per fathom. The stope in the back of the 58 east is worth 2 tons of ore per fathom. We are still sinking under the lode in the north shaft. The lode in the 73 east is 15 in, wide—saving work; in this level west we are driving by the side of the lode. The lode in the 62 east is 2 feet wide, yielding saving work.

driving by the side of the lode. The lode in the 62 east is 2 feet wide, yielding saving work.

BOTTLE HILL.—J. Eddy, Sept. 6: South, or Copper Lode: We have commenced the rise by four men; the ground we find easy for working, and I hope to complete it in (say) three weeks from this time, after which we shall commence to drive east in the adit level, where our lode is still about 18 in. wide, 10 in. of which is turning out rich for copper ore; should we find this lode to continue its size and quality in driving as we now have it in the end, after we have holed the rise, we shall soon be able to raise a parcel of copper ore for market, and of good quality.—Main Lode: There is no alteration to notice in this part of the mine since last report. I may just say the lode, both in the tribute pitches and in the different stopes, is turning out about the same as to quality and quantity as it have been for some time past. The samples are sent to the different smelters, and I hope to go to Truro to see the weight of the parcel on Saturday.

BRONFLOYD UNITED.—T. Kemp, Sept. 6: Settings for September: To rise in back of the 52, to six men, at 89s. The rise to meet the new shaft, to four men, at 179s. per fun. The stope under the bottom of the 40, west of winze, to six men, at 40s.

BRONFLOWOR.—S: Harner. Sept. 6: In opening out north in the 102, the

smelters, and I hope to go to Truro to see the weight of the parcel on Saturday, BRONFLOYD UNITED.—T. Kemp, Sept. 6: Settings for September: To rise in back of the 52, to six men, at 80s. The rise to meet the new shaft, to four men, at 170s, per fm. The stope under the bottom of the 40, west of winze, to six men, at 40s.

BRYN GWIOG.—S: Harper, Sept. 6: In opening out north in the 102, the lode is still large, with fine ribs of lead ore intermixed with the lime rock and spar; I thought it advisable to suspend the opening, and proceed on with the driving of the level, which I consider to worth about 3 tons per fm. Jacob Thomas's winze, sinking from the 90, and coming down on the back of the 102, yesterday afternoon cut into fine lead; I saw it to-day, it is above I foot wide. This I consider to be the top of the main run of lead at the 90; I have nothing more very new to remark in this level. I am glad to inform you that in the back of the 75 west Edward Hooson's pitch is looking well, the lode seems to be throwing off on the south wall; it is about 1½ foot wide (lead), with about 3 or 4 feet of horse on it; we have taken out one old stull in order to take away the lead, and I rather think we shall have to remove another; if this continue up behind the old men's workings it will be a direct rate thing. Edwards's pitch in back of the 75, on the north lode, is looking well; it is about 2½ feet wide, and worth 3 tons per fm.; there is about 6 or 8 feet of horse between Hooson's north wall and Edwards's south wall. There are more men anxious to work on the old western ground on tribute, but we must clear out the old sunffirst. I think we shall again see a good lode in Brooke's place; the top bed is about 1 ft. deep (lead); it is looking very promising indeed; I shall be greatly disappointed if it is not up to the old standard again soon—stons per fm.

CAMBORNE VEAN.—N. Clymo, Sept. 3: Since the last report the 135 east has considerably improved, and will now turn out 7 tons of copper ore per fathom. The 170 continue

per fm.
 CARN DOCHAN (Gold).—J. Parry, Sept. 5: We have set the rais.

I blanket-sand and some of the coffer stuff, 14 ozs. It dwts. The stamps are g started again this afternoon. We shall be able to melt the remainder of month's produce this day week.

KNTRAL MINERA.—T. Hughes, Sept. 6; Victoria Engine-shaft: The lode to 50 yard level, west from the rise, is worth 10 cwts. of lead per fm., and promising. The ground in the cross-cut north from the 60 yard level is for progress, and encouraging for lead. The 40 yard level west is being en in black limestone, but to all appearance upon the point of a change; er issues very strongly from the forebreast. I hope to be able to report fareable of this level in my next.

very strongly from the forebreast. I hope to be able to report fathis level in my next.

NITED.—J. Davis, Sept. 6; Settings for September: The 50 west,
at 180s, per fm. Stope No. 1, in back of the 50, to four men, at 70s,
at 180s, per fm. Stope No. 1, in back of the 50, to four men, at 70s,
per fm. The winze under the 50, to two men, at 120s, per
e engine-shaft, 10 fms., at 120, per fm. The several bargains
same in value. We have fixed the counter-balance to the pumpingtogether with the new lift, has considerably increased our power
surrosess.

r dressing purposes. CROWAN AND WENDRON.—R. Reynolds, Sept. 4: The engine-shaft is 9 ft low the 90; the lode at present is divided by a horse of granite, but in a short

ROWAN AND WENDRON.—R. Reynolds, Sept. 4: The engine-shaft is 9 ft. ow the 90; the lode at present is divided by a horse of granite, but in a short tance sinking will come together again; present price for sinking, 150, per tance sinking will come together again; present price for sinking, 150, per the lode in the 60 west is 4 ft. wide, looking a little better than when last into. We have from 2 to 3 fms, further to drive the cross-cut in the 60 to ersect the lode; this will take about six weeks to accomplish. No change in ersect the lode; this will take about six weeks to accomplish. No change in LVDBA.—F. Puckey, A. Cundy, Sept. 5: In the 130, driving west of Walker's UTDBA.—F. Puckey, A. Cundy, Sept. 5: In the 130, driving west of Walker's 1ft, the ground is still disordered, being mixed with branches and hard capel, if a the present time is spare for progress. In the 117 fm. level end, driving to ft the same shaft, the tin part of the lode has made a splice, and is now all and poor: we are awe cutting into the gossan that is standing further the prove if the tin part of the lode will not again make in that direction, the stope in the back of the 117, behind the end, the lode is full 10 ft. wide, aposed of quartz, peach, iron, and tin, and worth for the latter 40f, per fm. that width. In No. 1 stope, in bottom of the 105, the lode is 10 ft. wide, and this 14, per fm. In No. 2 stope the lode is 12 ft. wide, and worth for that 20ft. In for that width. All the other parts of the mine are without alteration.

MALE.—R. Miness, Sept. 3: The improvement in the veln, No. 3 workings, mensed in my last zeport, still continues, and I expect a further improvement triv. The other places are without alteration.

MYFNOWM.—E. Davies, Sept. 5: The ovey ground in the end of the yew west continued to produce from 3 to 345 tons of lead ore per fm.; It has made this the last 6 fms. The end is still rich to-day. There is now water in abuncle for all purposes, which most likely will last up to the end of the year. AGLEBROOK.—H. Tya

orking order. TLE HILL.-J. Eddy, Sept. 6: Owing to the very low price of ti

carpencers are now preparing to fix wheel, stamps, &c., which will soon be in place, and whilst this is being done we shall cut the leats. When we get to work we have several tons of tin ready, and I am happy to say the ends and back are now looking well, and ready for much more extensive working.

EAST CARADON.—John Truscott, Sept. 5: Caunter Lode: The 100 east and west is producing saving work; the 90 west, dito; the 90 east, ldl. per fm.—South Lode: The 90 east is worth 6l. per fm.; the 90 west, 6l.; the 70 east, 8l.; the 70 west, 8l.; and the 70 east, on the south part, 15l. per fathom; this lode has been intersected in the 100 cross-cut; it is about 4 feet wide, composed of capel, quartz, and mundle, with good stones of copper ore. We shall continue the cross-cut a little further, to prove if there is another part still before us.

EAST DARREN.—Sept. 5: Taylor's Shaft: In the 116 east the lode is 4 feet wide, producing a little lead ore, but not to value. In the 104 east the lode is 1 yard wide, producing small branches of ore at times, but not to value. In the core per fathom. In the 69 east the lode is 2 yards wide, producing about 1½ ton of ore per fathom. In the 69 east the lode is 1 yard, containing small spots of ore, and looks promising for an improvement. In the cross-cut south of the 68; east the lode is 1 yard, containing small spots of ore, and looks promising for an improvement. In the cross-cut south of the 68; east the lode is 1 yard, containing small spots of ore, and looks promising for an improvement. In the cross-cut south of the 68; east the lode is 1 yard, containing small spots of ore, and looks promising for an improvement. In the cross-cut south of the 68; east the lode is 1 yard, containing small spots of ore, and looks promising for an improvement. In the cross-cut south of the 68; east the lode is 1 yard, containing small spots of ore, and looks promising for an improvement. In the cross-cut south of the 69; east the lode is 1 yard, containing small spots of ore, and looks promisi

guiarry, and we hope to complete the western embankment of the pond in another fortnight.

EAST GUNNISLAKE AND SOUTH BEDFORD.—J. Phillips, Sept. 6: We are making good progress in the 54, west of Gard's shaft. In the deep adit we are driving by the side of the lode. The lode in the shallow adit continues large and very promising. In the Chimney Rock deep adit we are driving by the side of the lode.

EAST JANE.—T. Hodge Sept. 5. The

de.
JANE.—T. Hodge, Sept. 5: The bargains throughout the mine are pro-favourably, and without any change worthy of notice since my last.

EAST PROVIDENCE.—John Nancarrow, Wm. White, Sept. 1: At our usual nonthly survey to-day the following work was set:—Boorman's shaft to sink selow the 82, by six men and three boys, at 181, per fm.; lode small. The 82 to live east, by six men, at 61. 10s. per fm.; lode looks promising. The winze to link below the 70 east, by four men, at 51. per fm.; lode worth 61, per fm. A ise in back of the 70, by six men, at 31. 5s. per fm.; lode worth 51, per fm.; then dissuspended until this rise be communicated with the 60. The 30 to drive ast, by two men, at 41. 10s. per fm., lode worth 71. We have also set nine pitches the 50,60, and 70 fm. levels, at an average tribute, at the present price of tin, fl. 11s. 4d. in 11.

rise in back of the 70, by six men, at 31. 5s. per fm.; lode worth 51. per fm.; the fend is suspended until this rise be communicated with the 60. The 50 to drive to east, by two men, at 41. 10s. per fm., lode worth 71. We have also set nine pitches at the 50, 60, and 70 fm. levels, at an average tribute, at the present price of the 11s. 4d. in 11.

EAST ROSEWARNE,—John James, Sept. 6: We have nearly completed the alteration to the pitwork, and shall resume the sinking of King's shaft at once. In the 8s, west of King's shaft, the lode is 1 ft. wide, producing stones of orce. In the 8s, west of King's shaft, the lode is 1 fm. wide, worth 51. per fathom. In the 7s. driving west of King's shaft, the lode is 9 lm. wide, producing good stones of orce. We have two stopes in back of this level, each worth about 81. per fathom. We have commenced to stope the bottom of this level from the shaft, on a lode from 9 lm. to 1 ft. wide, worth 94. per fathom. The stope in back of the 75. east of King's shaft, is worth 61. per fathom of the stope in back of the 75. east of King's shaft, is worth 61. per fathom; and the stope in back of the 75. east of King's shaft, is worth 61. per fathom. EAST ST. JUST UNITED.—J. Carthew, P. Casley, Sept. 5: The whim-plat is complete to the 20, at Phillips's engine-shaft. The sumpmen are driving the feet more to drive to cut the caunter or guide lode; when this lode is cut we three the ord of drive to cut the caunter or guide lode; when this lode is cut we three the ord of drive to cut the caunter or guide lode; when this lode is cut we three the ord of drive to cut the caunter or guide lode; when this lode is cut we three the ord of drive to cut the caunter or guide lode; when this lode is cut we three the ord of drive north and south to cut other lodes; and then sink the shaft below the deep adit level. We have a long run of this ground which will pay well for working when we get this shaft lifts, below the 10. each of the fath of t

west is worth 304, per fm.—Turnpike Lode: The ground continues very favourable for sinking, with a little more tin. In conclusion, I beg to say that the mine, on the whole, never looked better, and the more we open the more permanent it looks.

EAST WHEAL RUSSELL.—John Goldsworthy, Sept. 5: Homersham's shaft is in regular course of sinking below the 140, the ground is not quite so favourable as hitherto, although fair progress is being made. In the 140, east of Roberts's cross-cut, the lode is 3 feet wide, composed of capel, quartz, mundic, and prian, and produces good stones of yellow copper ore; the ground is not so easy for progress as hitherto; the lode is letting out water freely. The stope in the back of the 130, east of Barkell's rise, is worth 101, per fathom. The stope in the back of the 130, east of Barkell's winze, is worth 31, per fathom.

FURSDON.—J. Collins, Sept. 5: The cross-cut north in the 31 is being driven 4 fms.; the branch of ore we have driven through 1s 6 in, wide; the capel appears to be a large lode. From the appearance of the ground in the end we may expect more ore north. The 21 east is the same in character as last week, and letting out water. We have cut into the south a little, but do not find any lode. It will be right to continue driving south, in order to prove the ground. In the 11 east we have cut into the lode, and find a branch of ore and mundic about 1/6 ft. wilde—a very kindly lode; It is heaved south by the cross-course about 6 feet. The stope in back of the 11 east will yield from 5 to 6 tons of ore per fathoux, of the same quality ore as the last sampled—10% produce. The intention and stands are working well, and worth 71, per fm. for tin. The lode in the stope in the back of the winze, is 21/6 ft. wide, composed of capel, spar. mundle, and the worth 71 he and the same level, west of the winze, is 21/6 ft. wide, composed of capel, spar. mundle, and the word of the same level, west of the winze, is 71/6 ft. wide, composed of capel, spar. mundle, and the form of the fath

shaft towards the lodes.

GREAT NORTH DOWNS.—W. Rich, T. Rich, J. Tredinnick, Sept. 5: Sleggan's shaft is looking very well, and a good course of ore in the bottom; we have, however, water in the bottom which prevents our sinking as rapidly as we wish. The lode in the winze west of Sleggan's shaft is worth 10!, per fm. The 70 west is without alteration to notice. We have intersected the lode in the 70 cross-cut north, which is 2 feet wide, carrying stones of ore, and has a strong and kindly appearance; we have commenced to drive west on its course. We have not taken down the main part of the lode in Butler's shaft during the past few days, but shall do so by the end of the week; as far as seen it has a very kindly appearance. The necessary alterations at Sleggan's shaft are being urged on as fast as possible.

and kindly appearance; we have commenced to drive weat on its course. We have not taken down the main part of the lode in Butler's shaft during the past few days, but shall do so by the end of the week; as far as seen it has a very kindly appearance. The necessary alterations at Sleggan's shaft are being urged on as fast as possible.

GREAT LAXEY.—J. Barkell, Sept. 3: There is nothing new to report in the engine-shaft, sinking below the 210, nor in the 210, driving north, since last report. The 180, driving north, has improved, now worth for lead and blende 501, per fathom, and still we believe the main and most productive part of it is; standing to the eastside of the level; this we shall prove hereafter by driving a cross-cut in that direction. The 190 end is still holding on, and opening one good ore ground, worth for lead and blende about 801, per fathom. The 185, driving north, is worth 901, per fathom. One part of the lode in this level; underlying very fast to the east, and for this reason we think we have not got the best part of it in the 180. We are only carrying a small portion of the lode in the 185, but the stopes coming on behind the end, where we have the whole width of the lode, are looking well, worth about 701, per fathom. The 145, going north, is unproductive. There is no level thus far north how. The 145, going north, is unproductive. There is no level thus far north between this and the 110, and in the latter level there is no level thus far north between this and the 110, and in the latter level there is no level thus far north between this and the we have about 10 fathoms more to drive in the 145, and where we have every reason to think we shall meet with a productive lode. The stopes and pitches when ye about 10 fathoms nore to drive in the 185, and where we have every reason to think we shall meet with a productive lode. The stopes boath for undired with a productive lode. The stopes boath for undired with a productive lode. The stopes boath for undired with the sump coming down on this

last week.

GREAT WHEAL BADDERN.—R. Pryor, H. Tregoning, Sept. 1: In the 75 fm.
level cross-cut, south of Hill Brothers engine-shaft, we have no material change
to notice during the past week; the ground continues much the same, but the
water penetrating with much greater force through every crevice and cross-head

met with. The end is still in the elvan course looking promising. The 63 fm. level cross-cut, south of this shaft, continues easier for driving, and the water coming from the end in increased quantities.

GWYDYR PARK.—Capt. Smyth, Sept. 4: In Gwyn Lilifion adlt end the lode is about 15 in. wide, composed of spar, mundic, blende, and spots of lead ore; it is very wet and troublesome for driving. We have not yet cut the east or west lode, but are daily expecting it. In the end driving west of shaft the lode is about 6 in. wide, containing spar, blende, and stones of tard ore; it is looking more vughy than when we commenced to drive. I expect before 1 fm. is driven we shall cut the north and south lode, which is a little to the west of the shaft in the shallow level.

more vughy than when we commenced to drive. I expect before 1 fm. is driven we shall cut the north and south lode, which is a little to the west of the shaft in the shallow level.

HALLENBEAGLE.—W. Bawden, Sept. 1: In Pinniger's engine-shaft, sinking below the 67 fm. level, the lode is producing a little more ore. In the 56 each cast, on north lode, the lode is if it, wide, worth 7t, per fathom. I purpose supending the driving of this level, and put the men to rise against Stone's shaft the early part of next week. In the 56 cross-cut, north of Pinniger's shaft, for present indications, I consider we are near the lode. In Reed's shaft, sinking below the 53, no lode has been taken down during the past week. In the 53 cast of Reed's shaft, the lode is I ft. wide, worth 32, per fathom. In the 53 ead, driving east of No. 2 winze, west of Reed's shaft, the lode is I ft. wide, worth 32, per fathom. In the 53 ead, driving east of No. 2 winze, west of Reed's shaft, the lode is I ft. wide, worth 41, per fathom. In \$65 and, cast of No. 2 winze, west of Reed's shaft, the lode is I ft. wide, worth 45 per fm. All other parts of the mine are without change since last reported.

HARWOOD.—J. Race: At our setting this week the level going east in north string at Sear Read is set together with No. 2 stope to four men, at 68c, per fm.; the stope is worth 1 ton of ore per fm. No. 3 cast stope, together with No. 1 west, are set to four men, at 70s, per fm.—No. 3 stope is worth 2 tons of ore per fm. and No. 1 is worth 1 ton of ore per fm. In No. 3 west, not set, I intend to put two men next week; it is worth about 1 ton of ore per fathom. Lock's level is set together with No. 2 to per to four men, at each of ore per fm.

LADY BERTHA.—Jas. Metherell, Sept. 3: We have not yet stem down 1½ ft. under the back of the 53. I shall dial our 30 to-morrow, to see where we are towards use Double and the same are towards.

LADY BEITHA.—Jas. Methereil, Sept. 3: We have not yet taken down any lode in the 30; the ground is much the same. The water is down 1½ ft. under the back of the 53. It shall dial our 30 to-morrow, to see where we are towards our boundary.

LEAWOOD.—J. Is shall dial our 30 to-morrow, to see where we are towards our boundary.

LEAWOOD.—J. Daw, Aug. 30: In the 40 cross-cut the ground is favourable for driving, and good progress is being made. In the 30 north the lode is 4 feet wide, yielding at times good stones of lead, but not to value.

MAUDLIN.—John Tregay, Sept. 1: Our machinery is again in good working order. There is no alteration in the old mine to notice.—West Mine: In the 20 west end the lode is improving in size and character as we are getting our under the great gossan; the lode is from 2 to 3 feet wide, composed of capel quartz, arsenical mundle, and yellow copper ore.

MINERA UNION.—W. T. Harris, Sept. 6: Douglas Shaft: This shaft is about 40 yards below the surface; the ground if very favourable for progress, consisting principally of shale. We purpose shinking a yard or two more a fers, and shall then drive out a cross-cut to intersect the lode.—Brabner's Shaft: The ground in the rise in back of the So yard level north is a little easier. We shaft to the Red vein is the same as last reported; an increase quantity of water issues from the forebreast. The ground in the big cross-cut is more congenial for lead; joints of blende are often met with in the driving, which is a favourable indication that the lode is not far off.—Williams's: The lode in the 70 yard level south, from bottom of the winze, is worth 8 cwts. of lead per fathom, and improving. The pitches are the same as last reported.

NEW CROW HILL.—Capt. Trelease, Sept. 4: In the winze in bottom of the side indication that he lode is not far off.—Williams's: The lode in the 70 yard improving. The pitches are the same as last reported; and is decidedly a fine looking lode. Nos. 2 and 3 stopes have fallen off a little this lawes, in a favourable

NEW WHRAL TOWAN.—R. Pryor, Sept. 5: We have taken down the lote in the adit level west, which has produced some good copper ore, but at press; in the code with a wild, which I am induced to think will helve the folds of the adit level, driving west of the folds at little south. Level and the product of the folds of the adit level, driving west of the folds of the product of the folds of the f

— Sept. 6: The lode in the 45 cast is cut through; close to the end it is worst 30l, per fathorm.

REDMOR.—T. Taylor, Sept. 7: We are getting on very well with our shaftwork; the men are at present cutting a plat, when done, and penthouse fixed, we shall resume sinking. There is no change in the character of the ground in the shaft. We have still a deal of capel in the morth end, containing mundle, black ore, &c. No other change in the mine.

ROSECLIFF AND TOLCARNE.—R. Pryor, Sept. 3: Lindo's engine-shaft is sunk it ims. below the 30, and we shall now commence to cut ground for bear scisterns, &c., in order to fix the lift at the 45; the shaft is still in a beautiful channel of mineralised ground, and have again set to nine men, to sink the same for 5 ims. certain, at 10t, per fm.; and if the above work is carried out, and the contract completed within two months from the 10th inst., the men are to have 10t, 10s, per fm. for the whole of the contract. After the lift

is fixed at the 40 we shall at once commence to drive south to cut No. 1 lode, The glound in the 30 cross-cut north continues much the same as for some time past, but we have not as yet met with No. 4 lode, but judging from the increased past, but we have not as yet met with No. 4 lode, but judging from the increased past, but we have not as yet met with No. 4 lode, but judging from the increased past, but we have not as yet met with No. 4 lode, in the 30, east of the near the same. We have not yet intersected No. 1 lode, in the 30, east of the near the same. We have not yet intersected No. 1 lode, in the 30, east of the side, as yet, but are daily expecting to do so. A short time now will enable us slide, as yet, that are daily expecting to do so. A short time now will lenable us led to reach the 50, at which by following the should be put out to intersect the to reach the 50, at which we fully believe good results will be realised.

BOARING WATER.—H. Thomas, Sept. 4: fillman's engine-shaft men are engaged in cutting plat, and 1 hope to have the life ready by the time the plat is cut; when this work is done much greater progress will be made in sinking the shaft. The lode driving and stoping west of Grady's shafe is improving in character, and I consider the matrix more congenial for mineral, consequently an improvement is expected. The lode in the end, driving cast of the shaft, is also improving in character, producing stones of good copperore. The shaft, is also improving in character, producing stones of good copperore. The shaft, is also improving in character, producing stones of good copperore. The lode in the 90 east is split, but it is probable that when these parts unite it will lode in the 90 east is split, but it is probable that when these parts unite it will lode in the 90 east is split, but it is probable that when these parts unite it will recard the plate shaft. I should be shaft, sinking below the 80, is improved, now producing some good coperators, and yields or to save. The lode in the 70 w

which will at once leave good profits. I am happy to state that the tin trade is bloking much better, and since I sold last month tin has risen 7t, per ton. There is a lasting and most valuable property here, and the tin has been proved to of the richest quality.

SOETHOGE CONSOLS.—R. Jackson, Sept. 6: Hitchins's engine-shaft is down after the sold of the richest quality.

SOETHOGE CONSOLS.—R. Jackson, Sept. 6: Hitchins's engine-shaft is down after the sold of sold of the sold of the sold of the sold of sold of the sold of s

well. We are getting on as fast as possible in erecting our new stamps, and as soon as in order we shall make large returns, when the sharcholdes will be rewarded for their outlay.

SOUTH WHEAL GRENVILLE.—G. R. Odgers, Wm. Bennetts, Sept. 1: Today we have re-set the engine-shaft to sink below the adit by nine men, at 29/, per fm.; the lode is 18 in, wide, setting more defined, and better for sinking.

ST. DAY UNITED.—J. Cock, J. Gilbert, W. Boundy, Sept. 5: The ground in Opple's shaft, sinking below the 194, is a little improved, and the lode is now worth 25/, per fm. The lode in the 194, west of this shaft, is 1½ ft, wide, producing a little tin, but not to value.—Billing's Shaft: We have for the present suspended the sinking of this shaft, as we have reached the water; the lode is 2ft, wide, and worth 104, per fm. The lode in the 184, west of shaft, is 2ft, wide, and worth 104, per fm. The lode in the 184, west of shaft, is 2ft, wide, and worth 104, per fm. The stope in the back of this level is also worth 124, per fm. The lode in the 134, divining west of Trussall's shaft, is 5ft. wide, and worth 164, per fm. The stope in back of this level is worth 104, per fm. The stope in back of this level is worth 124, per fm. The stope in back of this level is worth 124, per fm. The stope in the bottom of the 114, west of shaft, is worth 104, per fm. The stope in the bettom of the 114, west of shaft, is worth 104, per fm. The stope in the 124-Richard's Shaft: The lode in the 140, west of shaft, is 4ft, wide, and composed of spar, capel, mindie, &c., and good stones of copper ore—a very kindly locking lode. We have not intersected anything worth noticing in the 174 cross-cut, south of Opple's, nor in the 114 corse-cut, north of Quick's shaft.

ST. IVES WHEAL, ALLEN,—J. Nancarrow, J. Daniel, Sept. 5: In the 40 east, on the Carbona, we have recently been driven through a rich leader of tin, worth about 104, per f

worth about 101. per fathom. The Carbona, going south, is not quite so large as last week.

TOLCARNE.—Sept. 5: Field's Lode: In the 40, driving east of shaft, the lode is 2 ft. wide, consisting of gossan, spar, and ore, yielding ½ ton of the latter per fathom, worth 31. per ton; driving at 11. 7s. 6d. per fm. The lode in the 30, east of shaft, is 16 in. wide, unproductive.—New North Lode: The lode in the 60, west of the cross-cut, is 2 ft. big, composed of the 19 ft floor-par and good stones of ore—a kindly lode, and is promising for a speedy improvement. The lode in the 40, driving west of ross-cut, is 14 in. wide, and yielding 1½ ton of ore per fm. In the 20, west of cross-cut, the lode is 16 inches wide, composed of spar, peach, and good stones of ore. The ground in the adit cross-cut south is rather hard.

TRELYON CONSOLS.—R. James, E. Pooley, Sept. 6: In the 50, south of the new shaft, the lode is worth 131, per fm. for tin. No other change.

TRESAVEAN AND TRETHARRUP.—J. Pope, Sept. 5: The appearances in this mine are much the same as last reported, and the shaft and shallow adit as good as ever. I expect to hole the shaft in a day or two, when I shall report to you at once.

to you at once.

TREVENEN AND TREMENHEERE.—J. Medlyn, C. George, Sept. 5: The
197, cast of Trevenen shaft, is worth 7t, per fm.; the stope in this back is worth
19t, per fm. The 162 cast is poor. The 150 cast is worth 10t, per fm.; this level,
going west of junction, is worth 10t, per fm. No. 1 stope, in the back, is worth
12t, per fm.; No. 2, 8t, per fm. The 140 fm. level end, cast of old cast shaft, is
worth 8t, per fm. The stope in the back is worth 7t, per fm. The stope in the
bottom, cast of the old sump, is worth 5t, per fm. No change in the tribute department to notice since the last report

obtion, east of the old sump, is worth 5t, per fm. No change in the tribute department to notice since the last report. •
Vi6RA AND CLOGAU.—W. J. Holman, Sept. 6: Herewith I forward 20 ozs. lodwis, 2grs. of gold, which, with 6 ozs. 6 dwis, 17 grs. previously forwarded, makes 26 ozs. 10 dwis, 19 grs., the produce for the month of August. The lode in the bottom of No. 1 shaft is increasing in size, and a little visible gold has been mer with. We have yet 6 feet more to sink before commencing to drive west to meet the end being driven from No. 3 shaft. The latter is still in a large lode, showing occasionally bismuth and copper ore. No. 2 level east is progressing favourably. From No. 1 mine we are about to clear out a quantity of quartz, already broken. At the Old Clogau Mine we are taking the water out of the old eighne-shaft. The surface operations and reduction work are progressing very satisfactorily.

engine-shaft. The surface operations and reduction work are progressing very satisfactority.

WELSH (Gold).—W. Vincent, Sept. 6.—The north and south lode, south of No. 1 shaft, Ceft Coch, is still producing a little visible gold. At present we have quartz enough to keep two Brittens at work by day, and I hope that after we have properly secured the ground with timber to be able to supply some more machines with auriferous quarts. We have not finished clearing No. 2 shaft as yet, owing to the abundance of rain that has failen this week.

WEST BASSET.—W. Roberts, Sept. 5: The 144, driving cast, has improved; the lode is now 3 feet wide, producing 3 tons of ore per fathom. In the same level west the lode is 3 feet wide, yielding 1 ton of ore per fathom. Other parts are much the same as last reported.

WEST CWM ERFIN.—Sept. 5: The lode in the adit level, east of engine-shaft, is 3 feet wide, producing good stones of lead ore, but ground still rather soft; the lode in the winze sinking below the adit level, east of engine-shaft, is 4 ft. wide, yielding a little ore, but not to value at present. Nothing of importance has yet been met with in the cross-cut north and south from the adit level, The lode in the shallow level east of cross-cut from side of hill is large, and of a promising appearance, showing strong spots of lead and copper ore; this is a strong and kindly lode.

in each place the lode is 4 ft. wide, and worth 15t. per fm. for tin. In sinking the American shaft the last 2½ fms. the lode yielded 2½ tons of black tin; the lode in the present bottom is quite equal in value. We have not any other change to report.

WHEAL MARY HUTCHINGS.—Wm. Edwards, Sept. 5: The deep adit end, going cast on caunter lode, has considerably improved since the general meeting. No other change of importance to report on.

WHEAL NORRIS.—J. Andrews, Sept. 1: Carter's shaft is down the required depth for a 80 fathom level. We shall now sink a few feet deeper for a trip-plat, after which we shall commence to drive at this level. The lode in the 70 east is 2 feet wide, producing a little tin, but not enough to value. In the course of the past weekwe have broken some excellent work for tin from this end, but I am sorry to say it did not continue long. Such has been the character of the lode for the last 4 fathoms driving, one day yielding good work for tin and the next day poor. The stopes in back of this level, east and west of rise, still continues to yield low quality stamping work. In the 57 east we are still driving by the side of the lode. In the 45 end, driving east of cross-cut, on new lode, we have just passed through another small cross-course, east of which the lode appears to be getting more settled; now producing mundic and good spots of yellow copper ore.

WHEAL SPARNON.—Wm. Tregay, F. Chegwin, Sept. 1: Pulsford's lode, in the bottom of Jardine's shaft, produces good stones of copper ore and tin; it is very large, and letting out much water. The stope in back of the 69 west is worth 10d, per fm.—Cohait Lode: In the 66 south the ground is very soft and troublesome for rising, and we have put the men to baul out the water from the shaft in order to expedite the holing.—New Lode: The lode in the 20 rise is vughy, and the ground consequently speedler for rising, producing about ½ ton of copper ore per fathom.

WHEAL TREWAYNE.—R. Williams, Sept. 5: At the new south lode in the shaft in order

FOREIGN MINES.

FOREIGN MINES,

BRITTANY.—James Nance, Sept. 1: Tremuson Mine: We have now extended the 44 fm. level end south of engine-shaft 8 ft.; the lode in the end is 2 feet in width, and contains a leader of ore from 2 to 3 inches wide, and the remaining part of it is spotted with ore. The 44 fm. level north end has been driven 9 feet beyond said shaft; the lode in this end is 2½ feet wide, containing a leader of good ore from 3 to 6 inches wide. There is no change worth noticing in the 34 north end; it has been driven in the past week 10 feet. We have commenced stoping the back of the 34 fm. level behind the end, but have not taken down the lode, as we have to uncover it first.

ALAMILLOS.—Aug. 25: The lode in the 4th level, west of San Rafael shaft, contains good stones of lead, worth ½ ton per fathom; the ground is very hard for driving in the cross-cut south of the same. The lode in the 2d level, east of La Magdalena shaft, is of a kindly appearance, consisting chiefly

fact shaft, contains good stones of lead, worth ½ ton perfathom; the ground is very hard for driving in the cross-cut sou'n of the same. The lode in the 2d level, east of La Magdalena shaft, is of a kindly appearance, consisting chiefly of calcareous spar and lead, worth ¾ ton per fathom. The 3d level, east of the same, has greatly improved, and is now opening valuable ground, worth 2 tons per fm. The 3d level, west of same, has a strong and productive lode, worth 2 tons per fm. The lode continues unproductive in the 3d level, east of Taylor's engine-shaft. Ends have just been started east and west from Taylor's engine-shaft in the 4th level; they are wet and difficult to drive; the lode consists of carbonate of lime and spots of lead. The silde is in the 3d level, worth 1 ton per fm. The 3d level, east of Berber's winze, is being driven to meet the last-named end; the silde is in this also.—Shafts and Winzes: San Enrique shaft, shiking below the 2d level, is off the lode. The lode is small in Lopez' winze, below the 2d level, and the ground is hard for sinking. Morano's winze is deep enough for the 3d level. Domingo's winze, below the 2d level, has been suspended, on account of water, but will shortly be resumed. Berber's winze is completed to the 3d level. Mendoza's winze, below the 2d level, is suspended for the wheelers to clear away the stuff. Mulera's winze, below the 3d level, west of San Rafael shaft, is again put in motion, and will be completed next month.—General Remarks: The tribute department is, on the whole, in a satisfactory condition. The machinery and other surface work are going on very regularly. The new 50-in. engine will be set to work in a few days. We estimate the raising for September (five weeks) at 150 tons-

weeks) at 150 tonsLINARES.—Aug. 25: Pozo Ancho—West of Engine-shaft: South
Lode: In the 110, driving west of engine-shaft, the tode is large, and contains
good stones of lead, worth \(\frac{3}{4} \) ton per fathom. The 75, east of Warne's, has a
good branch of lead in the back of the end, worth \(\frac{3}{4} \) ton per fathom. The 75,
west of Warne's, is opening a very productive piece of ground, worth 3 tons per
fathom; it is very wet. The lode in the 61, west of Warne's engine-shaft; is
split into two small branches, worth 1 ton per fathom.—East of Engine-shaft:
The lode in the 120, east of engine-shaft, is open, and getting much easier for

WHRAL AGAR.—W. Roberts, Eng. 2: In the wines staking under the interpretation of the old winn-shaft, the folds at fa. wide, promising awing work for tim, and promising to improve. The folds that the close has been within a single promising to improve. The folds that the close has been within a single promising to improve. The folds that the close has been supplied and the close of the close o

TRUTH'S ECHOES, OR SAYINGS AND DOINGS IN MINING. The Mining Share Market continues active, and assuming a more satisfactory position. Shares generally have taken a great rise, and a very good demand has been maintained throughout the week. Improvements in several mines have been reported, which fact, associated with a further rise in copper ore, and the recent advance in tin, has produced numerous buyers. Another advance in the standard this week will, no doubt, have a tendency to improve the share market generally, and render it one of greater stability. The agents of many mines have taken on more men; and in several cases where bargains were about to be suspended, the men have been retained, which will have the effect of lessening the distrust prevailing among the mining population of the county.

An article has appeared in some of the daily papers, commenting on the exodus of miners to other districts. I believe a great many men have left the localities of suspended mines as a matter of course, and where employment has become scarce, but they have been chiefly young miners, who are generally of a migratory disposition, but there is no apprehension of a scarcity of labour now, as has been inferred.

SOUTH CARADONS have been in request at minimum quotations.—WHEAL SETON and WEST SETON have changed hands at improved rates.—CLIFFORDS have fluctuated slightly, but left off firm at advanced prices.—BULLER and EAST BAST

been inferred.

SOUTH CARADONS have been in request at minimum quotations.—WHEAL SETON and West SETON bave changed hands at improved rates.—CLIFFORDS have fluctuated slightly, but left off firm at advanced prices.—BULLER and RAST BASSET have been in good demand, but left off weaker.—CLOS's KITCHENS were in good request during the early part of the week, but less active since.—EAST CARS BILEAS have again improved, and in good request.—TINCROFTS have been dealt in at higher figures, but not very active.—GREAT RETALLACKS have shared in the transactions of the week, and still enquired for at fair market prices.—CARS CAMBORNES have been dealt in at improved rates.—SOUTH CONDURROW and TRESAVEN are in request at minimum quotations.—WEST CHIVERTONS have been dealt in at higher figures.—CHIVERTONS are rather quiet.—CHIVERTON hoofs have advanced, and in good demand.

GREAT LAXEYS have declined, and more freely offered.—GREAT NORTH LAXEYS are sought for at buyers prices.—SOUTH DARRENS have been enquired for, at minimum rates.—EAST GRENYILLES have slightly declined, but sought for at buyers prices.—WHEAL GRENYILLES are less active, yet enquired for at lower rates.—GREAT SOUTH CHIVERTONS have been done at nominal prices.—NORTH ROSEARS are enquired for at nominal figures.—SOUTH CROFTYS are in good request, at improved prices.—NORTH ROSEARS are enquired for at nominal figures.—SOUTH CROFTYS are in good request, at improved prices.—NORTH ROSEARS have changed hands at higher rates.—WHEAL KITTY (St. Agnes) and WHEAL AGAR have been sought for at fair market quotations.—GREAT WHEAL LOWELLS continue in request, and apparently firm at quotations.—PROVIDENCE shares have been done at higher rates, but have slightly receded.—Sr. IVES CONSOLS have changed hands at better prices.—EAST CARADON and MARKEY VALLEY have been done at higher rates, and apparently firm at quotations entered by the former, and in fair demand at hippoved rates.—PROVIDENCE shares have changed hands at better prices.—EAST CARADON and MARKEY VALLEY have been done at

for at former quotations.

BROOKWOOD AND WHEAL EMMA MINES.—Perhaps there are very few mines in the two counties looking more promising for great stability and permanent

Brookwood and Wheal Emma Mines.—Perhaps there are very few mines in the two counties looking more promising for great stability and permanent profit than these; and, as they are but little known to the public beyond the periodicals sales of ores at the Ticketings. I purpose next week to furnish such information as can be relied on, and notice a district that has hitherto been much neglected, although, probably, second to none in the county of Devon for mineral wealth. The facilities for working are important and manifold, whilst the district itself is teeming with lodes of the most encouraging character. Wheal Agar.—The lode in the 140 is improving both in size and value, being full 5 ft. wide, producing 2 tons of copper ore per fathom, and saving work for th. The winze sinking below is of similar character.—CHIVERTON MOOR: The lode in the 50, east of dat-rod shaft, is reported to have further improved, being now worth full 40l. per fathom.—CHIVERTON: The lode at the shaft has greatly improved, and, from present appearance, is likely to become highly productive and producible; and all other parts of the mine have improved since the meeting.

the meeting.

EAST CARADON.—The 90 east, on the caunter, has improved, and the south lode maintains its value at all points. They have intersected this lode by the 100 cross-cut, where it is 4 ft. wide, of a very promising character, and likely to improved on development.—MARY ANN has of late very much improved. At the approaching meeting it is stated that the statement of accounts will show a profit of 5001, on the three months' working, and at the next meeting a dividend may be anticipated.

may be anticipated.

PEDN-AN-DREA.—No change has taken place in the 130 end west, on in the rise immediately behind, the lode being still worth 50l, per fathom in each place for the 12 ft. wice, without any north or south wail. The 140 west shows an improving appearance. The 130 end cast has improved, which, with the stope, is worth together upwards of 30l, per fathom, and the mine generally is looking much better.

TH CROFTY is reported as much improved in several important points, and

SOUTH CROFTY is reported as much improved in several important points, and especially in the lode recently intersected by the 130 cross-cut, which is increasing in value by development. Other places are looking better, and show every probability of opening out a prolitable undertaking.

CAMBORE VEAN.—The prospects here are represented as very encouraging. The improvement in the 135 east continues to yield 6 tons of copper ore per fm. Other places are looking better, and producing fair quantities of ore, inasmuch that future sales are likely to be augmented, whilst a large portion of the ore is above the average quality.

BOTALLACK continues to improve, and the lode in the 225, referred to a short time since as being of a valuable character, maintains its size and value, being worth full 1001, per fathom for copper, with a rich leader of tin by the side; and the 235 end is within a short distance of coming under the above course of ore. The adjoining set of Carnyorth, with all the machinery, &c., having been purchased by the Botallack adventurers for 9751, as intimated last week, have duly passed into their possession.

passed into their possession.
CENTRAL MINERA.—The lode in the 30 east continues to look very encouraging. The rise in back is without alteration, yielding good work for lead; 3 tons
have been raised during the past fortnight, making from 6 to 7 tons in course of
december.

Warne's, has a dressing.

GRAMBLER AND ST. AUBYN.—Several important features have to be noticed worth 3 tons per sengine-shaft, is pears very little doubt that in a short time they will come off successfully, of Engine-shaft: me does not engine shaft. The lode in the engine-shaft, the 80 and 73 west, and the 60 fm. levels are much easier for points of considerable interest; in fact, the 60 especially is opening up some

agai two Wes and diffi bee prod to 1 2 ft lead 26; Val

excellent ore ground for copper and tin. There are other productive points yielding fair returns.

Rosewall Hill And Ransom United.—These mines, like most other tinproducing ones, will greatly feel the benefit arising from the improved price of
the produce. The returns for the past quarter were about 30½ tons of black tin,
notwithstanding that several levels had been suspended in consequence of the
low price of tin ores. The lodes in many productive points have fluctuated very
much in value, but are at present showing very favourable appearances of an
early change. There is a good lode going down in the bottom of the 170, which
is being worked on tribute at 8s. in It, estimated worth 25I, per fathom, and a
winse in course of sinking below the 90 is worth 30I, per fathom. The other
productive places are returning the usual quantities. Should tin continue to
advance, and the suspended levels be resumed, there is every probability of the
current quarter proving a profitable one.

James Lane.

current quarter proving a profitable one.

From Mr. EDWARD COOKE:—There has been almost an unprecedented amount of business done during the past ten days, and those who were fortunate enough to have made a selection of mines, and bought into them a few weeks since, can now realise very large profits. In many instances from 100 to 200 per cent. advance has taken place during the past fortinght in the market value of several mines, and as the course of the money market will, in all probability, tend downwards still, and remain low for a long time to come, it is not at all unlikely that mining shares will be yet further favourably influenced in price. There are several mines that are now selling at very low prices that will certainly rise considerably, and no time should be lost by those who wish to make certain profits. The metal markets are all rising, and this will secure to the shareholders in mines better prices, and, consequently, greater profits upon the produce of metallic mines. Six mines could be named that appear to me to have an absolute certainty of rising enormously in price during the next few months; but they should be bought into at once while they are low. I prefer not mentioning them here, not from any misgivings as to the result, but for other obvious reasons. Leaving our home mines, I come to gold mines, and notwithstanding some of the disappointments that have been experienced hitherto, I am still of opinion that more than one of the gold companies that have been established during the last eighteen months will be thoroughly successful. Although too sangulne a view may have been taken as to the time required to erect the machinery at Chontales, yet nothing has transpired really to lessen the confidence of the shareholders in the richness of the properties in this company's possession. I have the fullest confidence in yet seeing Chontales one of the most successful mining companies in the violend. The fully paid and royalty shares should be bought. Other gold mining companies I could name are

shares in several companies respectively a very large promovaled to the state of 10 per cent. per annum has been declared on Hollybush Colliery shares. This is a cheap and safe investment.

From J. B. REVNOLDS:—Five per cent. is now the order of the day. The standard is still advancing, and everything looks as hopeful as possible. Now the popular investment is mining stock, and not without good reason either, seeing that the metal market is not likely again to be disturbed by any adverse influence for a long time to come. The change in Cornwall is truly any adverse influence for a long time to come. The change in Cornwall is truly any adverse influence for a long time for come. The change in Cornwall is truly any adverse influence for a long time of the capture of the change in Cornwall is truly any adverse influence for a long time of the capture of a failed of the capture of the

CALLINGTON: I have often strongly advocated this as a bone flate investment. I do so again. The shares are likely to have a great rise, for reasons which I cannot at present put into print.

MINERAL RIGHTS ASSOCIATION.—The property conditionally acquired by this company seems to be one of great value. It has already been examined and reported on by Capt. James Barratt, a mining captain of very extensive experience, and known for his extreme caution. He says that the claim extends 5000 ft. in length and 900 ft. is breadth, into which two adits have been driven, about 16 fms. and 8 fms. respectively. These adits have been driven horizontally in a bed of conglomerate, having more than 40 ft. of backs, and at the bottom there is a layer of pebbles and clay, mixed with lime, forming a blueish cement from 3 in. to 18 in. hick, "the whole thickly impregnated with nuggets of gold, from the size of pigeon's exgs down to the size of peas. All the cemented conglomerate above the layer is thickly impregnated with gold dust." It is impossible to form an estimate of the yield of the bottom of the deposit, "as pockets or deposits have been met with at intervals yielding from 1000. to 1000. worth of gold, and that amount has been taken out in a few hours. This layer, when at its smallest size, yields gold to the value of from 201. to 360, per square fm." This channel of gold bearing conglomerate is the bottom of an ancient river, and can be traced for a distance of 200 miles, and Capt. Barratt says it "is being prosecuted or operated on in various localities, yielding immense profits to the shareholders." But with regard to the claim secured by the Mineral Rights Association, Capt. Barratt says it "is the nearest to the head of the river, consequently the gold is found in larger nuggets, and more abundantly than in any other mine on this metalliferous channel." Capt. Barratt thus concludes his report; whe fall five head of the river, consequently the gold is found in larger nuggets, and more abundantly than in any other mine o

CHONTALES.—The shares have risen during the week to a prembeing scarce. It is not unlikely that some gold will be received by the steamer due in the coming week, as some machinery was to be set to work in July. If the following months a good deal of gold may be looked for. Attention is being drawn to the fully paid-up (5d.) shares, which to many persons are preferable to the shares which are subject to calls.

QUICKSILVER IN AUSTRIA.-The Austrian Empire is one of the QUICKSILVER IN AUSTRIA,—The Austrian Empire is one of the tew countries producing the important article of quicksliver in sufficient quan-cities to allow of a large importation of it after meeting ever demand of its own ndustrial establishments. The chief produce of Austria is from the mines of Idria, in Corinthia. In 1864 the production for the whole empire was 538: Vienna cwts., of which 3000 Vienna cwts. were exported.

ANCIENT SILVER MINES IN GREECE,—The silver mines of Sunium ter a lapse of 2294 years, are now worked by a French company, principally after a lapse of 2294 years, are now worked by a French company, principally for the produce of lead. The works employ continually 400 workmen, and work seven furnaces. From 10 to 12 British vessels take the coal required, and bring to England cargoes of lead.

CRYSTALLISED STEPHANITE AND ARGENTITE FROM CORNWALL CRYSTALLISED STEPHANITE AND ARGENTITE FROM CORNWALL,—On a specimen of indistinctly crystallised argentite, associated with filliform native silver, from an abandoned mine, the Wheal Ludcott, near Liskeard, I have observed some very characteristic crystals of stephanite, the melan-gianz of the Germans. The crystals are very brilliant, and in short prisms, about 1½ lines long by 1 thick. Colour black, like fron-glance; streak black; before the blowpipe, on charcoal, yields no perceptible trace of arsenic, but deposits a sublimate of oxide of antimony; and with borax, yields a globule of silver. Though found in comparative abundance in some countries, thas not hitherto been reorded as occurring in a crystallised state in the British lales, but is said to have been found massive and pulverulent at Wheal Duchy and Herland, in Cornwall. In the same locality specimens of argentite have been found crystallised in well-defined cubo-octahedrons, nearly ½ inch in thickness. These are by far the largest crystals of this mineral yet discovered in Bertain.—T. D.

CANADIAN COPPER.—A report has just been issued, made last

CANADIAN COPPER.—A report has just been issued, made last month by a select committee of the Canadian House of Assembly, on the subject of the copper mines on the north side of Lake Superior and Lake Huron. The copper-bearing series on the north side of Lake Superior and Lake Huron. The copper-bearing series on the north shore of Lake Huron extends over a surface of 2000 square miles, and nearly the same extent of country on Lake Superior is endowed in the same manner. It is thought not improbable that new surveys will prove that even this estimate is far short of the actual face. Iron also exists in large quantity and of superior quality on the north-east end of Lake Superior. The land where the minerals are found is generally mountainous and rocky. The land these diapted for agricultural purposes is chiefly in the valleys of the rivers, and is of sufficient extent to support large settlements, but the opening up of leading roads is an essential condition of the rapid development of the Country. The committee, therefore, recommend that land be granted to such persons or companies as are willing to construct railroads and open up country.

London General Omners.

LONDON GENERAL OMNIBUS COMPANY,-The traffic receipts for

* With the Mining Journal of last week a SUPPLEMENTAL SHEET was given, which contains several papers read at the British As-sociation for the Advancement of Science—Steel Making: Mr. Mushet and Mr. Bessemer—the Coal Question: Sir R. Murchison —Coal Mining in Nottingham—Mr. E. Hedley on the Sinking of the Annesley Colliery—Steam-Boilers: Mr. H. Dircks on Steam-Boiler Investigation—Carrett, Marshall, and Co.'s Self-Acting Hydraulic Coal-Cutting Machine (illustrated)—Collecting Gases from Blast-Furnaces—the Statistical Returns of Copper ing Gases from Blast-Furnaces—the Statistical Returns of Copper Mining—the Discussion on Mr. George Addenbrooke's paper on the Utilisation of Blast-Furnace Gases, &c.

The Mining Market; Onices of Metals, Ores, &c.

METAL MARKET-LONDON, SEPT. 7, 1866.

			_
COPPER. & s. d. &	s. d.	IRON. Per ton.	
Best selected p. ton 89 0 0-92	0 0	Bars Welsh, in London 6 15 0-7 0	(
Tough cake & tile ,, 86 0 0-89	0 0		(
Burra Burra , 90 0 0-91	0 0		(
Copper wirep. lb. 0 11%-	-	" Staffd. in London 8 10 0- 8 17	
Do. tubes ,, 0 1214-	-	Bars ditto 8 10 0-10 0	(
Sheath. & bolts p.ton 91 0 0-	-	Hoops ditto 9 5 0-10 0	1
Bottoms , 96 0 0-	-	Sheets, single 10 0 0-11 0	-
Old (Exchange) ,, 77 0 0-80	0 0		
BRASS. Per 1b.		Refined metal, ditto 4 0 0-5 0	
Sheetsper 1b.10¼d	_	Bars, common ditto. 6 0 0-6 5	(
	_	Do. mrch. Tyneor Tees 7 10 0	
	_	Do., railway, in Wales 5 15 0-6 5	(
, , , , , , , , , , , , , , , , , , , ,		m .	(
Yellow Metal Sheathing p. lb.			,
Sheets ,,	81/2d.		•
SPELTER. Per ton.		Do. f.o.b. Tyne or Tees 2 9 6 Do. Nos. 3.4. f.o.b. do. 2 6 6- 2 7	
	-		ŧ
	_	11 11 0 0 10 0	-
	_		(
ZINC.		Indian Charcoal Pigs,	
In sheets27 0 0-	-	in London p. ton 7 0 0- 7 10	(
TIN. Per ton.		STEEL. Per ton.	
English blocks 88 0 0-	-	Swed., in kegs(rolled)14 0 0-14 10	(
Do., bars (in barrels) 89 0 0-		, (hammered) 16 0 0-16 10	i
	-	Ditto, in faggots16 10 0-17 10	
Banca 82 0 0-	-	English, spring19 0 0-23 0	i
Straits 81 0 0-	-	QUICKSILVER (p. bottle) 7 0 0	1
TIN-PLATES.* Per box.		LEAD, Per ton.	
IC Charcoal, 1st qua. 1 10 0-1	14 0		
X Ditto, 1st quality 1 16 0- 2	0 0		(
	10 0	Ditto, ordinary soft20 7 6	
	16 0	Ditto (WB)22 10 0	
C Coke 1 3 6-1	6 0		(
	17 0		č
Canada plates, p.ton 13 10 0-	_		0
Ditto, at works12 10 0-			•
• At the works.	, 1s. t	o 1s. 6d. per box less.	
n	- Andrews		

REMARKS.—On Thursday, at their usual weekly meeting, the di-REMARKS.—On Thursday, at their usual weekly meeting, the directors of the Bank of England announced a further reduction in the Bank rate of discount to 5 per cent. We have thus in the course of three weeks come from the high rate of 10 per cent. to the moderate rate of 5 per cent.; and, as the former paralised all commercial operations, and almost put a stop to business, so we shall find that the latter will give an incentive to all business transactions, and cause activity again to prevail. It is very satisfactory to find the Money Market thus becoming comparatively easy, as it will tend still further to promote that improvement in the metal trade which has now set in. It is true that during the past week prices of some metals have not quite maintained the position they took the previous week; but this is not to be much wondered at, as it is usually found week; but this is not to be much wondered at, as it is usually found that after so long a period of inaction as characterised the Metal Market for so many mouths, when a reaction takes place prices generally run up to a point beyond what they ought legitimately to have assumed; and consequently afterwards, finding that the demand is not so extensive as was at first expected, are unable to be maintained, and are, therefore, obliged to come to that which they ought propelly to have presented at first. This has been the case

mand is not so extensive as was at first expected, are unable to be maintained, and are, therefore, obliged to come to that which they ought properly to have presented at first. This has been the case now in the metal market; but though prices are in some cases not quite so high, yet a good steady demand is now setting in, and there is little doubt that ere long we shall find prices again going up, even beyond that at which they lately stood.

COPPER.—The demand continues very active, and prices have remained very firm at official rates; indeed, some business has been done at 3l, to 4l, above these rates, and one of the smelters has announced an advance in his make of 3l, per ton. There is very little doubt that this will soon become general, and that an advance will be declared by all the smelters ere long.

IRON.—In Staffordshire there is a steady though not rapid improvement in the demand, which is particularly experienced by the leading makers. The orders for India are generally much better, and the East Indian Railway Company is advertising for tenders for 17,500 tons of rails, and adding the chairs, fishing-plates, &c., want 25,450 tons, which will help to strengthen the trade. Pig-iron is selling more freely, and prices are firmer. The trade is still suffering from the low prices paid for manufactured iron in proportion to the high rate of wages, and the question of a formal reduction of prices, so as to recognise the actual decline, and with that of a reduction of wages, is being a good deal discussed. In Welsh there is more confidence evinced in trade than for a long time past, and there is a decided improvement, compared with a few weeks since. The reduction in the rate of discount has given the greatest satisfaction, and cided improvement, compared with a few weeks since. The reduc-tion in the rate of discount has given the greatest satisfaction, and all parties are of opinion that the larger buyers, and the railway companies, who have been during the last two or three months steadily keeping back their orders, will now place them upon the market. The contracts during the past week were of a much better class, and more numerous than of late. In Swedish iron there is a rather immore numerous than of late. In Swedish non there is a rather improved feeling. In Scotch pig-iron, in consequence of the easier condition of the Money Market, and the prospect of a long continuance of the reduced make, a considerable improvement has taken place, and the speculative demand has been much stimulated, prices have continued to advance, and the last advices from Glasgow state the price to be 55s. 6d. cash.

LEAD.—The market continues firm at the prices last quoted, and a very fair business is being done.

Tin.—The position of the market for Straits, mentioned last week, has not been maintained, and the high prices then stated have not continued. Business was done at the commencement of the week at 83l. cash, and afterwards at 82l. cash, but lately it has further declined, and transactions have occurred at 81l. cash, which may now be considered the quotation. Banca has also declined to 82l. cash. be considered the quotation. Banca has also declined to 82L cash. The stock of Banca in Holland, on warrants, on Aug. 31, was 97,850 slabs, against 141,619 slabs same time last year; arrived towards next sale, 138,507 slabs, against 42,668 slabs same time last year. The stock of tin in London on Aug. 31 was 2762 tons, against 3410 tons same time last year, and the quantity of Straits afloat for Europe is about 1275 tons, against 1413 tons same time last year.

SPELTER.—Early in the week an improvement took place in this metal, and holders were asking 201. 15s. for parcels on the spot; but this has not been maintained, as the demand has been less active, and holders have been obliged to accept from 5s, to 10s, per ton less, business having been done at 201. 5s, on the spot, which is the present quotation. The stock in the port of London, on August 31, was 6628 tons, being a decrease of 180 tons during the month. ousness naving been done at 200, 5s, on the spot, which is the present quotation. The stock in the port of London, on August 31, we 6628 tons, being a decrease of 180 tons during the month.

TIN-PLATES.—The demand continues active, and prices are firm. STEEL and QUICKSILVER remain as formerly.

BIBMINGHAM, SEPT. 7.—Rylands' "Iron Trade Circular" says:— Pigs inclined to greater firmness. Manufactured iron requires de-mand. Trade complains of undercutting in prices. Orders seem

THE TIN TRADE,-Mr. L. Th. van Houten (Rotterdam, Aug. 31 writes—During the present month tin has been favourably influenced by the easier tendency in the money market, and a further advance in prices has been established. The principal feature to notice is the announcement of the autumn sale by the Dutch Trading Company. announcement of the autumn sale by the Lutch Trading Company. Banca declined to 464 fl. in the early part of the month, but subsequently the market became more active, and improved to 48 fl. On the 29th inst. the autumn sale, comprising 109,300 slabs Banca and 700 slabs Billiton, was fixed to take place on Sept. 28. Billiton was in fair request throughout the month, and about 3500 slabs changed hands at 45½ fl. to 45¾ fl. The following statement shows the position of Banca tin in Holland on August 31, from the official returns published by the Dutch Trading Company:—

Total ... 583 ... 172 ... 620 ... 2277 ... 1945 ... 2072

Messrs. Von Dadelszen and North (Sept. 4) write—We are gind to be able at least to report a very sensible improvement in this article. The immediate cause of the advance was the fact of the stoppage of several mines in Cornwall, and consequent thereon a great change in the action of the English smelters, who at once stopped sales of metal. At first they adhered to official prices, which was a virtual advance of 5l. This gave confidence both to consumers and speculators, who immediately commenced buying foreign. After a stand at 77l. for Stratts, sellers withdrew for much higher prices, and the result was a rapid advance of fully 7l. per ton. The Dutel Trading Company have announced their autumn sale for Sept. 28, in Amsterdam, which will consist of 109,300 slabs of Banca and 700 slabs of Billition. The conditions will be the same as at the last sale, and no further sale will be held until the spring of next year. The quantity, though large, is about 500 tons less than generally anticipated, and this should have some effect; but we cannot get over the fact that the old stock in the hands of the Dutch operation. The deliveries in Holland for the first six months of this year are more than double with the quantity on sale, is sufficient for twelve months' consumption. The deliveries in Holland for the first six months of this year are more than double those of last year, and amount to 101,903 slabs, against 41,058, while our own have also been considerably in excess of former years, without, however, leaving any excessive stock in the hands of consumers. When we reflect that we have passed through a terrible financial crisis and a great continental war, and that we are at about the same price as we were before these disturbances happened, there is no great danger for the future in so far as regards our present prices, for they are not by any means high, while there is every probability that the spirit of speculation may be felt during the autumn, and an art Total 583 172 6202277 1945 2072

THE COPPER TRADE.—Messrs. Vivian and Younger (Sept. 7) write—Business has not been so brisk this week as might have been antielpated, transactions being far from numerous. Prices have scarcely been sustained in second-hand lots of English or in foreign copper. The principal feature has been considerable purchases of ore and regulus by smelters, at lies, per unit, which is the equivalent to 91, per ton for tough, or (say) 5l. advance on the official quotations. The available stock of bars, ores, regulus, and English in Liverpool, Swansea, London, and Havre is thus estimated in fine copper:—Sept. 1, 1864, 18,786; Sept. 1, 1864, 18,786; Sept. 1, 1864, 18,784.

THE COPPER TRADE.—Mr. Pitenirn-Campbell (Liverpool, Aug. 31) reports—The improvement indicated in our last has been very rapidly developed during the fortnight. On the 27th the smelters raised their quotations 5t, per ton, to 86t, for unmanufactured and 91t, for manufactured, and there is every indication of a further advance being near at hand. Ores, regulus, and bar copper have been in very active demand. The charters from the West Coast, advised by the mail of July 16, represent about 1000 tons fine copper, and the depressing accounts they would subsequently receive would, no doubt, deter shippers. Shipments from theil and Bolivia during the first and second quarters of this and two previous years have been as follows:—

1866. 1865. 1864.

First quarter 13,339 13,105 15,844
Second quarter 10,288 13,487 9,729

Total. 26,597 26,592 25,573

In the MINING SHARE MARKET this week a large amount of busiess has been transacted in all descriptions of shares, and while a few which had previously risen cent. per cent. have had a reaction, some, on the other hand, have again risen considerably. The mines most in favour have been Wheal Buller, East Caradon, Carn Camborne, Clifford, Chontales, Great Wheal Vor, Marke Valley, East Lovell, North Treskerby, Wheal Rose, East Grenville, Prince of Wales, Wheal Crebor, West Seton, Wheal Stoton, West Chiverton, Chiverton Moor, South Crofty, East Russell, Great Laxey, Great Retallack, and a few others. The standard for copper ore is again up. and the rise has been equal altogether to about 12s. 6d, per top. up, and the rise has been equal altogether to about 12s. 6d. per ton, tities, such as Clifford Amalgamated, Devon Consols, and others. The latter mine, shares in which have risen to 460, has sampled over 2000 tons this month, the rise in the standard, therefore, will add more than 1000*l*, to the profit of the month. Tin may probably additionally vance next week, but we must not look for any great rise until after vance next week, but we must not look for any great rise until after the Banca sale, on the 28th. East Bassets have receded to 17, 19; Clifford Amalgamated have advanced to 13, 14; Carn Camborne, 25s. to 30s.; Chiverton Moor, 6\(\frac{3}{4}\), 6\(\frac{1}{4}\); Chontales Gold advanced to 3, and leave off 2\(\frac{1}{4}\), 3\(\frac{1}{4}\); Cook's Kitchen, 5\(\frac{1}{4}\), 6\(\frac{1}{4}\); Drake Walls, 10s. to 15s.; East Carn Brea, 2\(\frac{1}{4}\), 2\(\frac{1}{4}\). East Cardon advanced to 9, leaving off 8, 8\(\frac{1}{4}\); the 90 east is worth 15\(\frac{1}{4}\), per fathom; the south lode is worth 45\(\frac{1}{4}\), per fathom in the aggregate; this lode has been intersected in c, c₃; the 30 ease is worth 10t, per fathout; the south 10te is worth 45t. per fathom in the aggregate; this lode has been intersected in the 100 fm. level cross-cut, 4 feet wide, composed of capel, quartz, and mundic, with good stones of copper ore. East Pool, 350 to 375; East Russell, 3\frac{1}{2}\$ to 3\frac{1}{2}\$; East Wheal Grenville advanced to 2\frac{1}{2}\$ and leave of \$2.91.

East Russell, 3% to 3%; East Wheal Grenville advanced to 24 and leave off 2, 24.

Wheal Buller shares have advanced to 20, 22½; Stevens's shaft, sinking under the 80, is worth 15%, per fathom. The 80 east has improved to 35%, per fathom. In the 80, east of Kistle's, they are cutting through the south part of the lode, producing a little tin Grambler and St. Aubyn, 3½ to 4½; Great Laxey, 19 to 20; Great North Laxey, 30s. to 35s.; Great South Tolgus, 5s. to 10s. South Frances, 15 to 20; at the meeting the accounts showed a balance

l to

against the company of 290%. 11s., and a loss of 130%, 3s. 3d. on the two months' working. The piece of ground so long in dispute with West Basset is described as having been laid open 90 fms. in length, and varies from 10 to 20 fathoms in depth, and can be worked from sifterent points at a profit; but owing to the low standard it is

wost Basset is described as having been laid open 90 fms. in length, West Basset is described as having been laid open 90 fms. in length, and varies from 10 to 20 fathoms in depth, and can be worked from and varies from 10 to 20 fathoms in depth, and can be worked from different points at a profit; but owing to the low standard it has different points at a profit; but owing to the low standard it has different points at a profit; but owing to the low standard it has different points at a profit; but owing to the low standard it has different points at a profit of the low standard it has different points at the low standard it has been intersected in the cross-cut from new shaft to 15s.; the lode has been intersected in the cross-cut from new shaft to 15s.; the lode has been intersected in the cross-cut from new shaft to 15s.; the lode has been intersected in the cross-cut from new shaft to 15s.; the lode has been intersected. So 30 to 32 to 34; Marke 26; Great Wheal Fortune, 5 to 6; Herodsfoot, 32 to 34; Marke 26; Great Wheal Fortune, 5 to 30s.; North Downs, \$\frac{1}{2}\$ to \$\frac{2}{2}\$; to 10s.; North Crofty, 25s. to 30s.; North Downs, \$\frac{1}{2}\$ to \$\frac{2}{2}\$; to 10s.; North Roskear, 3 to 5. North Treskerby shares advanced to 3, 3\frac{1}{2}\$, and leave off 2\frac{1}{2}\$ to 2\frac{2}{2}\$. Providence Mines, after being in demand, declined to 25, 30. South Caradon, 300 to 325; to 8t. Ives Consols, 6 to 7; Tincroft, 11\frac{1}{2}\$ to 12\frac{1}{2}\$; West Caradon, 6 to 7. Wheal Crebors have advanced to 15s., 20s.; the winze below the 90 is worth 3 tons of copper ore per fm. The 96 east end looks like improvement; and in the 84 east the cross-course, near which there was such a good lode in the 72, has been intersected. West Chiverton, 62\frac{1}{2}\$ to 67\frac{1}{2}\$; West Frances, 5 to 10; West Seton, 137\frac{1}{2}\$ to 142\frac{1}{2}\$; to 142\fra

On the Stock Exchange a good demand for Mining Shares has prevailed during the week. The following quotations were officially recorded in British Mining Shares:—Chiverton, 5\(\frac{1}{6}\); Clifford, 13\(\frac{1}{6}\), 12\(\frac{1}{6}\), 13\(\frac{1}{6}\); East Caradon, 8\(\frac{1}{6}\), 8\(\frac{1}{6}\), 9\(\frac{1}{6}\); East Lovell, 10\(\frac{1}{6}\); East Wheal Russell, 3\(\frac{1}{6}\), 3\(\frac{1}{6}\), 4\(\frac{1}{6}\); Great Wheal Vor, 25\(\frac{1}{6}\), 25\(\frac{1}{6}\), 25\(\frac{1}{6}\), 25\(\frac{1}{6}\), 6\(\frac{1}{6}\), 6\(\frac{1

were:—Colore, 37, 37, 48, 48, 48, 52, 53 of the Ref. No. 3, 45, 49, 49, 49, 49, 1; United Mexican, 24, 24, 2; 2; Chontales, 28, 24, 24, 22.

IRISH MINE SHARE MARKET.—The last reduction of the Bank of England rate of discount from 6 to 5 per cent. is considered here only a step towards still lower terms, which it is confidently expected will follow very speedily. Until this expectation is fully realised we are not likely to have a very active demand for stocks and shares of any description, unless influenced, as is the case with those of the Atlantic Cable Companies, by some extraordinary phase in the respective undertakings. Therefore, in the absence of any unusual bias, further than the well-established public confidence in the present and prospective value, and the excellence of the management of our leading mines, we have had rather a quiet week in the mining share market. Mining Company of Ireland shares, which left off last week at 22l. 10s. to 22l. 17s. 6d. (7l. paid), held their ground firmly, and have even slightly improved, 23l. having been paid for cash transactions, and the same price having been offered for account. For January they were, however, ineffectually offered for sale. Wicklow Coppers have been firm throughout, and realised a fractional improvement, they being now in demand at 24l. for cash and account. Connorrees, after having for some time past been neglected at nearly 25 per cent. discount, have made a rapid upward movement from 15s. 6d., and last week's quotation to 18s., 19s, per share (1l. paid). For the shares of the General Mining Company for Ireland 2l. has been offered, but without success.

At Camborne Ticketing, on Thursday, 2303 tons of ore were sold.

At Camborne Ticketing, on Thursday, 2303 tons of ore were sold, realising 97581, 4s. Od. The particulars of the sale were:—Average standard, 1071, 2s. Od.; average produce, 61; average price per ton, 4l. 4s. Od.; quantity of fine copper, 150 tons 5 cwts. The following ears the particulars:

44. 4. 0d.; quantity of fine copper, 150 tons 5 cwts. The following are the particulars:—

Date. Tons. Standard. Produce. Per ton. Per unit. Ore copper. Aug. 2... 3924. £100 10 0... 656. £3 7 0... 11s. 0d. ... £55 0 0... 9... 1684. 97 6 0... 656. £3 31 16... 11 0... £55 0 0... 25... 3167. 192 8 0... 658. 4 0 6 ... 12 2 ... 60 17 0... 30... 2439. 100 19 0... 744. 4 11 6... 12 7 ... 62 18 0... 695. 6... 2409. 107 2 0... 656. 4 4 0 0... 13 0... 64 19 0... Compared with last week's sale, the advance has been in the standard 2l. 15s., and in the price per ton of ore about 3s. 6d. Compared with corresponding sale of last month, the advance has been in the standard 2l. 10s. and in the price per ton of ore about 3s. 6d. Compared with standard 9l. 10s., and in the price per ton of ore about 12s.

At the Providence Mines meeting, on Aug. 29, the accounts showed a crelit balance of 706f. 15s. 10d. A dividend of 10s. persharewas declared, and 146f. 15s. 10d. carried to next account. Capts. Hollow, Rogers, and White say—"The mine, on the whole, is of the same permanent character as heretofore, and from present appearances will return the usual quantity of tin. In continuing our improvements in this dressing we have reduced the number of hands on surface, and are increasing them underground; we have now employed on the mine 352 persons."

At Frank Mills Mine meeting, on Aug. 29 (Mr. W. T. Smith in the chair), the accounts showed a credit balance of 1813t. 18s. Capts. J. P. Nicholls and J. and F. Cornish reported that they have 17s hands employed; but by the erection of an additional engine the returns could be considerably increased. Capt. Nicholls was instructed to look out for and the committee were authorised to purchase and creek such engine.

purchase and erect such engine. At Devon and Cornwall United Mines meeting, on Tuesday, the ac-

At Devon and Cornwall United Mines meeting, on Tuesday, the accounts for the three months ending July showed a debt's balance of \$281, 18s. 8d., and a balance of liabilities over assets of \$289, 15s. 5d. Capts. Neill and Horswill reported npon the various points of operation. They have excavated \$114\frac{1}{2}\$ fathous of ground, and are employing \$16\$ hands.

At New East Wheal Russell meeting, on Monday, the accounts for the six months ending July showed a debt balance of \$285, 18s, 3d., and a balance of liabilities over assets of \$1424\$, 1s. 3d. A call of 1s. per share was made. Capt. J. Gifford reported that he considered the intersection of the caunter lode in the \$20\$ a very favourable circumstance, and on the whole the appearances of the mine have improved since the last meeting. They have \$20\$ tons of ore on the mine, worth, at present standard, \$44.10s. per ton.

At West Wheal Kitty meeting, on Tuesday, the accounts for the

mine, worth, at present standard, 4t. 10s. per ton.

At West Wheal Kitty meeting, on Tuesday, the accounts for the ten months ending June showed a debit balance of 473t. 1ls. 1d., and a loss on the nine months' working of 454t. 19s. 1d. A call of 2s. per share was made. Capts. J. Vivian and Son and W. Thomas, jun., reported that the prospects fully warrant the expectation of a productive and profitable mine.

At South Wheal Frances meeting, on Monday, the accounts showed a debit balance of 29t. The ground which has so long formed a dispute with the West Basset adventurers, and has been confirmed to this mine by the recent decision of the House of Lords, may be described as presenting a triangle, with a side of about 355 fms., and a base of 15t fms. The ore ground which has already been laid open therein can be wrought from different points, and at a profit, but owing to the present low standard for copper it has been deemed advisable not to raise more over than will meet the expenditure until a further advance shall take place. In the working of the ground it is more than probable some additional discovery will be made.

At the Crenver and Wheal Abraham (special) meeting, on Wed-sday (Mr. Calder in the chair), it was agreed to wind-up the company volun-

At the Cronver and Wheal Abraham (special) meeting, on weunesday (Mr. Calder in the chair), it was agreed to wind-up the company voluntarily, with the view to its reconstruction. Details appear elsewhere.

At Rosewall Hill and Ransom United Mines quarterly meeting the accounts showed a loss of 1784, 183, 8d, on the three months' working, and a call of is, 6d, per share was made. There are several places looking very well, whilst in others the lode has fluctuated in value, but it is hoped that with the improved price of tin an important change in the financial position of the mine will appear At the British Slate Company meeting, on Sept. 1 (Mr. J. Robinson in the chair), the directors' report was adopted. A dividend was declared upon the preference shares at the rate of 9 per cent. per annum. Details elsewhere.

At Gellivara Company special meeting, yesterday (Mr. Smith in the chair), the resolutions, of which notice had been given, were passed, the object in view being to reconstruct the company, with a capital of \$6,000 shares of 10. each, those of the shareholders who had paid up their calls in full to receive in exchange an equivalent number of 10. shares in the new company, to be credited with 4. per share as paid.

At Quebrada Land, Railway, and Mining Company special meeting, yesterday (Mr. J. Salmon in the chair), the directors were requested to adopt and circulate among the shareholders a proposal for the reconstruction of the company. Details in another column.

At the Western Gas Company meeting (Mr. F. W. Russell, M.P., in the chair), the feport stated that the reduction of 6d. per thousand cubic feet, which took place at Lady-Day, 1895, had effected as awing to the consumers of 10,000. up to Midsummer last. The meter rental exhibited an increase of 1481.; and the total income an increase of 4852. The divisible profits were allowed the company sear; in the returns for coke and products an increase of 1481.; and the total income an increase of 4852. The divisible profits were amounted to 8949. which, added to 21441, made a total of 11,0931. out of which the directors recommended the payment of a dividend of 20s. per share, and a bonus of 2s. per share, free of income tax. During the past session the Dublin for carrying out the arrangements with the Alliance company, and the works would be handed over on the 29th inst. Messry, Hawkesly and Barlow had been enlanded over on the 29th inst. Messry, Hawkesly and Barlow had been enlanded over on the 29th inst. Messry, Hawkesly and Barlow had been enlanded over on the 29th inst. Messry, Hawkesly and Barlow had been enlanded over on the 29th inst. Messry, Hawkesly and Barlow had been enlanded over on the 29th inst. Messry, Hawkesly and Barlow had been enlanded over on the 29th inst. Messry, Hawkesly and been enlanded to the company's property, and when they made thei

The Bank of England return for the week ending on Wednesday The Bank of England return for the week ending on Wednesday evening was highly favourable, the several items of the accounts indicating a rapid return to the healthy figures existing before the panic. In the ISSUE DEPARTMENT there has been an increase in the notes issued of 366,2754, represented by a corresponding increase in the coin and bullion on the other side of the account. In the Banking Department there is shown on the liability side a decrease in the "other deposits" of 1,010,750; from which must be deducted an increase of the "public deposits" of 641,4394; an increase in the "rest" of 171,7244; and an increase in the "seven day and other bills" of 41,4574.—854,8104; leaving a total decrease on the liability side of 155,5404. On the asset side there is shown a decrease in the "other securities" of 711,6274; and an increase in the "Government securities" of 515,3004.—196,3374; leaving a total increase in the reserve of 40,4574.

COAL MARKET.-The fresh arrivals this week only numbered 95 COAL MARKET.—The Iresn arrivals this week only numbered 95 ships. House coals continue short of the requirements of the trade, and business has been brisk at an advance of fully 6d. per.ton, and all is sold. Hartley coals have been steady, and without change in value. Hetton Wallsend, 22s.; Haswell Wallsend, 22s.; Hartlepool Wallsend, 22s.; Kelloe Wallsend, 21s.; Eden Main, 20s. 6d.; Hetton Lyon's Wallsend, 20s.; Tunstall Wallsend, 20s.; Hasting's Hartley, 18. Unsold nil; at sea, 40 ships. Unsold nil; at sea, 40 ships.

18. Unsold nil; at sea, 40 ships.

COALIN SHROPSHIRE.—After the patient and costly labour of four years, coal has at length been struck in the New Stafford Pits, near Priorslee, on the line of railway between Wellington and Shiffnal. The coal is of the description known as the double coal; the seam is 6 feet 3 inches in thickness, and lying perfectly horizontal, promises a rich field. At present the men are working through the yellowstone, ironstone, and yard coal, and from the geological characteristics of the district it is confidently expected that the blue and white flat ironstone, the flint coal, the pennystone, the sulphur, and other mineral strata of great value, will succeed in due course. The distance at which this coal has been struck is only 620 feet, but the cost of working the mine has, nevertheless, been considerable, from the of working the mine has, nevertheless, been considerable, from the unusually hard nature of the rock through which it has been reached. The works have been carried on under the direction of the Lilleshall Company, but it is understood that Earl Granville and the Duke of Sutherland are principally interested in the discovery.

NEW YORK, AUG. 23.—The condition of the iron market is much the same as last reported, the only new feature being a slight improvement in business. The market is still quiet, the demand being confined chiefly to small lots for consumption. The price of both Scotch and American pig-iron is very firm, and holders are not anxious to press sales. The furnaces are considerably in arrear of their orders, and are unwilling to make contracts for future delivery, except at rates then ruling. Bari-iron from store is rather more active. Stocks are not large, but well assorted. There has been no recent change in price. The copper market is very quiet, and only small sales have been made. Lead is also very duli, with no transactions to report.—Iron Age.

India Office.

BY ORDER OF THE SECRETARY OF STATE FOR INDIA IN COUNCIL

OF STATE FOR INDIA IN COUNCIL.

NOTICE IS HEREBY GIVEN that the DIRECTOR-GENERAL OF STORES FOR INDIA Will be READY, on or before Monday, the writing, sealed up, from such persons as may be willing to SUPPLY.

And that the conditions of the said contract may be had on application at the India Store Office, Cannon-row, Westminster, where the proposals are to be left any time before Two o'clock P.M. of the said loth of September, 1866, after which hour no tender will be received.

GERALD C. TALBOT, Director-General.

Contract for Coals for Greenwich Hospital, &c.

CONTRACT DEPARTMENT, ADMIRALTY, SOMERSET HOUSE.

THE COMMISSIONERS for executing the Office of Lord High Admiral of the United Kingdom of Great Britain and Ireland, do hereby give notice that on TUESDAY, the 11th Septembernext, at half-past One o'clock, they will be READY to TREAT with such persons as may be willing to CONTRACT for SUPPLYING and DELIVERING into the Stores of the Royal Hospital and School at Greenwich, Five HUNDRED TONS OF COALS. The coals to be of the descriptions known as Stewart's, Haswell, Hetton's, South Hettons, and Lambton's, and to be delivered by the 30th September next.

No tender will be received unless made on the printed form provided for the purpose, and which may be obtained on application in the Lobby of the Department of the Medical Director-General, Admiralty, Somerset House, where the conditions of the contract may be seen.

No tender will be received after half-past One o'clock on the day of treaty; and it will not be required that the party tendering, or an agent on his behalf, should attend at the office on the day of contract, as the result of the offer received from each person will be communicated to him and his proposed sureties in writing.

writing.

Every tender must be addressed to the Secretary of the Admiralty, and bear in the left-hand corner the words." Tender for Coals for Greenwich Hospital, &c., and must also be delivered at the Department of the Medical Director-General, Admiralty, Somerset House, signed by two responsible persons, engaging to become bound with the person tendering in the sum of £150 for the due performance of the contract.

By order,

ANTONIO BRADY,

Registrar of Contracts and Public Securities.

Contract Department, Admiralty, Somerset House, Aug. 30, 1866.

Coal Contract for the Spanish Government.

COAL CONTRACT.—TENDERS for the SUPPLY of ONE THOUSAND TONS of WELSH COAL to the SPANISH GOVERNMENT in FERNANDO PO, will be RECEIVED in Madrid by the Consultive Board of the Navy, on the 23d of September next, at One P.M. Sheet of conditions and forms of tender may be seen between Eleven and Three at the offices of the Royal Spanish Naval Commission, 31, King William-street, London, E. don, E.C.

TO FIRE AND LIFE ASSURANCE OFFICES, ENDOWMENT SOCIETIES, CAPITALISTS, AND OTHERS.—THE BOARD OF WORKS FOR THE GREENWIGH DISTRICT ARE DESIGNED SO RECEIVING TENDERS for the LOAN of FIFTY THOUSAND POUNDS, in one or more sums, repayable by instalments in thirty years, on the security of the Sewer Rates of the District. It is requested that tenders, stating the lowest rate of Interest required, may be sent in to the Clerk's Office, Church-street, Greenwich, on or before the 18th Further information was a comparable of September next.

Summers.

Average Standar! ... £107 2 0 | Average Produce ... 6½ 4 0 | Quantity of Fine Copper, 150 tons 5 cwts. Anount of Money ... 2805 tons | Quantity of Fine Copper, 150 tons 5 cwts. Anount of Money ... 2975 4 0 | Quantity of Fine Copper, 150 tons 5 cwts. Anount of Money ... 2975 4 0 | Quantity of Fine Copper, 150 tons 5 cwts. Anount of Money ... 2975 4 0 | Quantity of Fine Copper, 150 tons 5 cwts. Anount of Money ... 2975 4 0 | Quantity of Fine Copper, 150 tons 5 cwts. Anount of Money ... 2975 4 0 | Quantity of Fine Copper, 150 tons 5 cwts. Anount of Money ... 2975 4 0 | Quantity of Fine Copper, 150 tons 5 cwts. Anount of Money ... 2975 4 0 | Quantity of Fine Copper, 150 tons 5 cwts. Anount of Money ... 2975 4 0 | Quantity of Fine Copper, 150 tons 5 cwts. Anount of Money ... 2975 4 0 | Quantity of Fine Copper, 150 tons 5 cwts. Anount of Money ... 2970 4 | Quantity of Fine Copper, 150 tons 5 cwts. Anount of Money ... 2970 4 | Quantity of Fine Copper, 150 tons 5 cwts. Anount of Money ... 2970 4 | Quantity of Fine Copper, 150 tons 5 cwts. Anount of Money ... 2970 4 | Quantity of Fine Copper, 150 tons 5 cwts. Anount of Money ... 2970 4 | Quantity of Fine Copper, 150 tons 5 cwts. Anount of Money ... 2970 4 | Quantity of Fine Copper, 150 tons 5 cwts. Anount of Money ... 2970 4 | Quantity of Fine Copper, 150 tons 5 cwts. Anount of Money ... 2970 4 | Quantity of Fine Copper, 150 tons 5 cwts. Anount of Money ... 2970 4 | Quantity of Fine Copper, 150 tons 5 cwts. Anount of Money ... 2970 4 |

Further information may be obtained at the Clerk's Office as above,
By order, JAMES WHEATLEY, Clerk to the Board.

EAD, OR DEVON SHINING ORE, FOR SALE, " Rudge, Lustleigh, Bovey Tracey, Apply to "W.,

Appy to w. Rodge, Instituting, Bovey Fracey, Devoit.

INVESTMENT, LOAN, AND BANK AGENCY.—
Established 1839.

BANKERS—London and County Bank.

This Agency undertakes the investment of Capital in British and Foreign Government Stocks and Joint-stock Companies upon advantageous terms; and devotes special attention to the selection of such Securities as pay good dividends, are readily convertible, perfectly free from risk or liability, and the most probable to speedily and permanently improve in value.

Every information afforded to Trustees and others, who seek investments of a strictly eligible and safe character.

The Purchase and Sale of Advowsons, Annuities, Reversions, and Life Policies negotiated.

otiated.

negotiated.
Investors may effect purchases in Stocks, Shares, and other Securities, subject to quarterly, half-yearly, or annual payments.
Loans granted on Public Securities having a market value, interest allowed upon deposits, and every description of Bank and Money Agency business transacted.
LIABLES PETERS Sec. octed. CHARLES PETERS, Sec. No. 12, Clement's lane, Lombard street, London, E.C.

OFFICES.

OFFICES OF
THE GREAT LAXEY MINING COMPANY (LIMITED).
THE SNAEFELL MINING COMPANY (LIMITED).
THE EAST SNAEFELL MINING COMPANY (LIMITED).
THE EAST LAXEY MINING COMPANY (LIMITED).
THE REINNIE LAXEY MINING COMPANY (LIMITED).
THE CENTRAL SNAILBEACH MINING COMPANY (LIMITED),

M E S R S. W E B B, W A D G E, A N D C O.'
MINING ENGINEERS, AGENTS, AND SHAREDEALERS,
PLY MOUTH.
(Late Edwin H. Wadge, from Clarence Chambers, Manchester.)
WEBB, WADGE, AND CO., occupying as they do a central position in the mining districts, will be enabled to acquire authentic information on all mining properties, and to advise their clients with the utmost correctness and punctuality. They will be also able to faithfully report the progress and exact position of the various mines in which their clients have embarked.

The personal attention of our Mr. Wadge may be always relied on.

The personal attention of our Mr. Wange may be always reflect on.

M. R. ERWIN HARVEY WADGE, F.G.S., of STRADBROOK HALL, BLACKBOCK, COUNTY DUBLIN, finds it necessary to point out that he is NOT the Mr. WADGE of the FIRM of WEBB, WADGE, AND CO., of PLYMOUTH, with which he has NOT THE SLIGHTEST CONNECTION. This announcement is not made with any disrespect to, or prejudice of the respectability of, Messrs. Webb, Wadge, and Co., but purely to prevent such a confusion of persons as the extraordinary similarity of two names (the initials being identical) gives rise to.—Stradbrook Hall, June 21, 1866.

			L	EAD	ORE	IS.		
ate.	Mine			Tons.		nou		Purchasers.
Ig. 28-	Prince .	Arthur	Consols.	29	£13	2	6	Sims, Willyams, & Co.
31	Minera			100	. 11	16	0	Walker, Parker, & Co.
-	ditto			92	11	16	0	
-	ditto			80	11	16	0	ditto

- ditto 48 11 16 0 ditto

			BLE.	ז ע א			
Date.	Mines.	T	ons.	A	mou	nt.	Purchasers.
Aug. 31-M	inera .		102				Bagillt Company.
2000	ditto .		44		3 16	0	 ditto
-	ditto .		46				S. Kenrick.
-	ditto .		20				Bagillt Company.
—G:	reat Lax	ey	300				Vivian and Sons.
-P	ool Park		8		3 7	6	 S. Kenrick.

BLACK TIN. Date. Mines. Ts. c. q. lbs. Price p. ton. Amount. Purchasers, Aug. 20—Gt. Wh. Vor... 70 13 1 19 ... \$3346 0 10— ... \$31—Pedn-an-drea ... 911 2 2 ... — ... 478 17 6—Bissoe. Sept. 1—Wheal Uny ... 9 9 9 2 2 ... \$47 0 0 ... 447 6 10—

COPPER ORES.

Mines.	Tons	. P	roduce.	P	rice		Mines.	To	ns.	Pi	oduce.	P	rice	e.
Cuba	105		1334	£10	3	0	Newfound-	1	90		111/4	£8	4	0
ditto						0	land	1	89		115	7	18	(
ditto						0	ditto		74		2038	15	1	
ditto	101		1414	10	4	6	ditto		39		111/4	7	15	(
			14%			0	ditto		10		974	6	14	
ditto	70		2134	16	3	6	Ballycumn	iisk	72		93/8	6	8	
ditto						0	ditto		8 .		1134	8	3	-
ditto						0	Seville		81		334	2	8	
Wallaroo	92		914	6	13	0	ditto		70		18	14	1	-
ditto						0	Concordia		24		17%	13	1	(
ditto						6	Peruvian		24		82	24	7	
Cape Ore.	20		301/2	23	11	0	Cobre		12		2084	15	17	-
ditto						0	ditto		1		2834	21	7	-
Kuriila .						6	California	1	78		1734	13	2	(
Berehaver					4	0	ditto		76		10	6	10	
ditto					17	6								

TOTAL PRODUCE. Cuba 659 £8008 3 6 Ballycummisk 80 £ 528 0 0 Wallaroo 281 1748 5 0 Seville 151 1179 18 6 Cape 34 761 0 Concordia 24 313 4 Kurlia 13 189 8 6 Peruvian 24 585 0 Berehaven 185 1399 1 0 Cobre 13 211 17 6 Newfoundland 302 2924 1 0 Californian 154 1519 13

	COMPANIES BY WHOM THE ORES WER	E PURC	CHASE	D.	
	To	ns.	Amo	un	t.
	Copper Miners' Company 233		£2141	14	0
	Freeman and Co 76		495	18	0
	Grenfell and Sons 158		2106	8	6
	Sims, Willyams, & Co 105		1432	12	0
•	Vivian and Sons 256		2554	16	0
	Williams, Foster, & Co 280		2549	4	6
	British and Foreign Copper Company 1:		549	0	0
	Mason and Elkington 78		904	15	0
	Bankart and Sons 104		749	2	6
	Charles Lambert 96		706	4	0
	Ravenhead Copper Company 336		3441	8	0
	Sweetland, Tuttle, & Co 9:		611	16	0
	Hadland and Co		781	8	6
	Penclawdd Copper Co 56		284	15	0
	annua an				_

Penclawdd Copper					284	15	ő
Total			1920	£1	9,309	2	0
NO SALE, Sept. 25.	TOTALS A						
	21 cwts.				Sta	nda	rd.
British	. 265	. 93/4	. £7 4	9	. 5	-	
Foreign	. 1655	. 14	. 10 10	2		and the last	
Whole sale	. 1920	1314	£10 1	9	£97	5	6

Whole sale 1920

131/2 COPPER ORES.

£10 1 2

Sampled Aug. 22, and sold at Tyack's Hotel, Camborne, Sept. 6.

Mines.	Tons	. Pr	ice.	. 1	Mines.	Tons.	Pr	ice.	
Clifford An	algam 120	£3	1	0	Wheal Basset	36	. £7	1	6
ditto	110	3	5	0	ditto	28	. 5	5	0
ditto	102	3	6	0	ditto	20	. 9	3	6
ditto	90	4	0	6	Tolcarne	55	. 3	8	6
ditto	75		15	0	ditto	42	. 2	7	0
ditto	****** 71	1	17	0		31		15	6
ditto	70	3	10	0	ditto	21	. 3	2	6
ditto	60	7	11	6	East Pool			13	6
ditto	48	3	10	0		58		3	0
ditto	38	3	19	0	South Frances	50	. 3	11	0
Consols .	39	6	10	6		32		18	6
ditto	3	16	12	6		26		8	6
West Seton	67	8	0	6	ditto	25	. 5	4	6
ditto	64		3	0	South Tolgus	63		5	6
ditto	61	4	13	0		34			6
ditto	60	2	8	0	North Roskear	70	. 5	1	6
ditto	***** 58	3	10	6	ditto			2	0
ditto	57	2	11	0	Nanjiles	46	. 3		6
ditto	54	6	16	6	ditto	25	. 0	2	6
ditto	49	4	18	6		12		10	0
ditto	37		0	6	North Grambler	41	. 4	9	0
Wheal Basi	set 44	3	15	0	ditto			6	6
ditto	40		13	6	South Condurrow .	23	. 4		6
ditto	******** 39	7	17	0	Wheal Uny	4	. 6	8	6
			L	PR	ODUCE.				
	nalgam 826			0	South Tolgus	97£			6
	1 507			6	North Roskear	91	878		0
	set 207		7	0	Nangiles	83	201		6
Tolcarne .	149	. 469	14	6	North Grambler	47	282	8	0

| 101carhe | 126 | 301 7 0 | South Condurrow 23 ... | 113 5 6 |
| 113 5 6 | South Frances ... | 133 ... | 702 15 6 | Wheal Uny ... 4 ... | 24 14 0

| COMPANIES BY WHOM THE ORES WERE PURCHASED. | Names. | Tons. | Amount Vivian and Sons | 212½. | £1194 | 7 Freeman and Co. | 144½. | 6103 | 8 Grenfell and Sons. | 125 | 741 | 5 Sims, Willyams, and Co. | 54 | 322 | 7 Sims, Willyams, and Co. | 415½. | 2049 | 3 Mason and Elkington | 236 | 815 | 14 Bankart and Sons. | 510 | 1843 | 13 Copper Miners' Company | 144½. | 4418 | 1 Newton, Keates, and Co. | 110 | 537 | 10 Sweetland, Tuttle, and Co. | 173 | 671 | 6 Penclawdd Copper Company | 106 | 609 | 19 Goole Alum and Smelting Co. (Limited) | 71 | 131 | 7

Copper ores for sale at Tabb's Hotel, Redruth, on Thursday next.—Mines and pareels.—Prosper United 322—East Carn Brea 213—Crenver and Abraham 188—West Basset 163—East Rosewarne 164—Wheal Margery 136—Copper Hill 92—Camborne Vean 71—Wheal Buller 20—Wheal Agar 11—South Wheal Alfred 3.—Toral 1373 tors

Total...... 2303 £ 9758 4 0

Total, 1373 tons.

Copper ores for sale at the Royal Hotel, Truro, on Thursday week.—Mines and parcels.—Devon Great Consols 2098—Hingston Down 600—Marke Valley 440—East Caradon 316—Devon and Cornwall 264—Wheal Friendship 218—Wheal Emma 150—East Russell 145—Bedford United 110—Gunnislake (Clitters) 85—Fursdon 34—West Beam 10.—Total, 4470 tons.

WATSON AND CUELL'S MINING CIRCULAR.

WATSON AND CUELL,

MINING AGENTS, STOCK AND SHARE DEALERS, &c. 1, ST. MICHAEL'S ALLEY, CORNHILL, LONDON.

I, ST. MICHAEL'S ALLEY, CORNHILL, LONDON.

MESSRS. WATSON AND CUELL having made arrangements for transferring their weekly Circular, which has had so large a circulation during the past ten years, to the columns of the Mining Journal, their special reports and remarks upon mines and mining, and the state of the share market, will in future appear in this column.

In the year 183, when Cornish mining was almost unknown to the general public, attention was first called to its advantages, when properly conducted, in the "Compendium of British Mining," commenced in 1837, and published in 1843, by Mr. J. Y. WATSON, F.G.S., author of "Gleanings among Mines and Miness," "Records of Ancient Mining," "Cornish Notes" (first series, 1862), "Cornish Notes" (second series, 1863), "The Progress of Mining," with statistics of the Mining interest, annually for 21 years, &c., &c. In the Compendium, published in 1843, Mr. WATSON was the first to recommend the system of a "division of small risks in several mines, ensuring success in the aggregate," and Messrs. WATSON and CUELL have always a selected list on hand. Perhaps at no former period in the annals of mining has there been more peculiar need of honest and experienced advice in regard to mines and share dealing than there is a tpresent; and, from the lengthened experience of Messrs. WATSON and CUELL they are emboldened to offer, thus publicly, their best services to all connected with mines or the market, as they have for so many years done privately, through the medium of their own Circular.

Messrs. WATSON and CUELL transact business in the purchase and sale of mining shares, and other securities, payments of calls, receipt and transmission of dividends, obtaining information for clients, and affording advice, to the best of their knowledge and judgment, based on the experience of more than 30 years active connection with the Mining Market.

Messrs. WATSON and CUELL are also dally asked their opinion of particular mines, as well as to recommend mines to the best of their

as inting.

Messrs. WATSON and CUELL having agents and correspondents in all the
mining districts, and an extensive connection among the largest holders of mining
property, have the more confidence in tendering their advice on all matters relating to the state and prospects of mines and mining companies, and are able
to supply shares in all the best mines at close market prices, free of all charge
for commission.

MODERN ENGINEERING.

Under the title of "A Record of Modern Engineering" (vol. 3), a most elaborate series of drawings, relating chiefly to the Thames Embankment, and accompanied by the necessary explanatory letter press, has been issued (through Messrs, Lockwood and Co., of Stationer's Hall-court) by Mr. WM. HUMBER, A.I.C.E. The volume contains a biographical sketch of Mr. J. R. M'Clean, the President of the Institution of Civil Engineers, and essays, or articles, on the of the Institution of Civil Engineers, and essays, or articles, on the Construction of Harbours, Forts, and Breakwaters, on an Improved System of Fortification, on Granite and Iron Forts, on the Rationale of Railway Rolling Stock, on the Rationale of the Sewage Question, or hallway Rolling Stock, on the Rationale of the Sewage Question, on the History of the Drainage and Sewerage of London, and descriptions of the Permanent Works of the Metropolis Main Drainage Works—North and South Sides, with descriptions of plates. The volume for the present year has a most accurate and striking photographic likeness of Mr. M'Clean, and the drawings are all executed with great skill, and carefully engraved, every necessary detail being accurately given. It is even superior to the two excellent volumes which have preceded it.

INDUSTRIAL HISTORY OF THE BIRMINGHAM DISTRICT.

INDUSTRIAL HISTORY OF THE BIRMINGHAM DISTRICT.

A handsome and exceedingly interesting volume, descriptive of "The Resources, Products, and Industrial History of Birmingham and the Midland Hardware District," and embracing a series of reports collected by the Local Industries Committee of the British Association at Birmingham in 1865, has just been issued by Mr. Robert Hardwicke, of Piccadilly. It is not surprising to find it stated, in connection with such a district as that now reported upon, that the trades are so numerous, so infinitely various, and conducted by so many different persons that it has been found impossible to do full justice to all or even to mention all the names and branches which extend over Birmingham alone. The volume does much to show that within a radius of 30 miles of Birmingham nearly the whole of the hardware wants of the world are practically supplied. The soal and iron of Staffordshire; the chemical products, the giass and alkales, and soap of Smethwick; the metal works, in infinite variety, which Birmingham produces, from the costilest plate and jewellery down to the commonest git toys; the engines and machinery, of every description, exported to all parts of the world; every class of article being produced, from the very beapest to the very best, can be only imperfectly described, even in a volume of 700 pages.

The value of the work will be readily judged of when it is stated that it contains upwards of 80 distinct articles upon the various trades and manufactures of the district, the ames of the writers affording an ample guarantee for the accuracy of the information given; thus, Prof. J. B. Jakes sketches the geological structure of the South Staffordshire coal fields; Mr. Henry Johnson, the method of working and ventilating them. Mr. Henry Chance describes the manufacture of piate, rown, and sheet glass; and Mr. Samuel Timmins, who is also the editor of the volume, the Birmingham steel pen trade. Mr. S. Barker explains the Nickel German-Silver manufacture, and every other ar

"SYNOPSIS OF HERALDRY."-Although the study of heraldy form: "SYNOPSIS OF HERALDRY."—Although the study of heraldy forms a most amusing pastime, the facilities for obtaining anything like an adequate knowledge of the subject have hitherto been so few that amateur heralds have always been comparatively scarce. An excellent little work, however, "A Synopsis of Heraldry, or a Stort and Easy Method of Acquiring the Art of Blazon," by Mr. C. N. Elvin, M.A., F.G.H.S. has just been issued by Mr. R. Hardwicke, of Piccadilly, which at once removes all difficulty in the matter. Mr. Elvin gives upwards of 400 engravings, including the arms and crests of some 300 families, and in an admirable introduction he points out the importance of heraldry, and the objects for which arms are employed. The book is conveniently divided into seven chapters, treating of the various sorts of arms; the escutcheon, its points and partition lines, roundles and guttees; incturers; ordinaries, and their diminutives and sub-ordinaries; external ornaments, crest, wreath, helmet, crowns, lambrequin, mantle, supporters, badge, and motto; distinction of houses and hatchments; and of blazon and marshalling respectively. By way of appendix, there is given a dictionary of terms used in heraldry; an index to the armorial bearings is given. For a small book, Mr. Elvin's is certainly as complete and usefulas any that has been published for the instruction of students in heraidry.

A GUIDE TO INVESTORS is furnished in Mr. Lelean's monthly

A GUIDE TO INVESTORS is furnished in Mr. Lelean's monthly Stock, Share, and Insurance Register," in which there is a continuous review "Sock, Share, and Insurance Register," in which there is a continuous review of all species of investments, giving information on their condition and prospects, with comparative summaries of the average dividends they pay. We do not know of a publication which comprises more useful information, brought together with evident care, and affording the means, therefore, by which a person intending to purchase stocks or shares may be guided through the numerous descriptions of securities the markets now offer.

KRUPP'S STEELWORKS AT ESSEN .- As a situation for a large ma-STEELWORDS as well as the work of the steel of the st the sole possessor of an establishment which last year turned out upwards of 50,000 tons of cast-steel, one-third of which was made into guns, the rest irto bars, shafts for engines, axies, rallway bars, tyres of wheels, plates for bollers and ships; in short, anything requiring at the same time strength and hardness. The works, exclusive of the blast-furnaces, cover 400 acres of ground, consume 750 tons of coal daily, use the steam of 120 boilers, burn 7000 flames of gas, and give employment to above 8000 men and boys, whose wages amount to nearly 400,001, a year. The importance of retaining as nearly as possible the same men being fully recognised, a fund-has been created, to which every man or boy employed must subscribe, and out of which he commands advantages sufficient to make it well worth his while to stick to his work. The rates of subscription and proportionate advantages are regulated by the wages, the higher grades of workmen subscribing id, and the lower ½d, per thaler (3a). Mr. Krupp adds a sum equal to half that subscribed by the men. From the resources of this fund a workmen can claim a pension sufficient to live upon respectably after 25 years' labour. Men injured in the service receive full pay for as long as they may be unable to work; the sick are treated and liberally provided for, and the dead are buried. Finding that the bread supplied to the men by the ordinary bakers was deficient in quality and quantity, considering its price, Mr. Krupp built large bakeries, whence he supplies excellent bread at cheap rates, buying the fluor wholesale from Russia, and charging only a small profit. Similar arrangements are made for the supply of potatoes, and it is contemplated to extend the system to meat. This paternal management is very successful, and appears to work well for the interests of both master and men. Though a system of the same kind is carried out in some of our greatest establishments, it is not so thorough, nor on so great a scale. The working hours are divided into only two parts—the

Coblentz, and partly bought. The former is spathic, furnishing the well-known spiegeleisen; the latter is red oxide. Coke is employed for smelting, being considered as good a finel as can be used if carefully selected. The iron is converted into steel by puddling, a small quantity of cemented steel being occasionally used. A little malleable iron is made by a modification of Bessemer's process, but no steel. Mr. Bessemer offered his patent to Krupp, as I understand, but it was then in its infancy, and was not considered so promising as to divert the attention of the latter from his own speciality—the puddling process. He has not, therefore, carried it to such a forward condition as has been attained by some of our frommasters at home. Though the spiegeleisen contains so large a proportion of manganese, a mere trace is left after puddling as shown by Mr. Abel's analysis:

—Carbon combined, 1'18; silicon, 0'33; sulphur, none; phosphorous, 0'02; manganese, trace; cobalt and nickel, 0'12; copper, 0'30; iron (by difference), 98'05=100'00. The largest steam-hammer weighs 50 tons, and is single-acting, with a loft, drop; it cost about 100,000/l, of which two-thirds was for the bed; and Krupp has obtained the necessary concession from the Prusslan Government to permit him to build a 120-ton hammer, which is to have a 18-ft, drop, but whether single or double acting is not yet, I believe, determined. It is estimated to cost 2000,000/. Two huge guns, which are to be about 16 calibres in length, and to weigh 28 tons, are being manufactured for the Russian Government, and will cost 7000/c. each. They are to be breech-loaders, on Krupp's principle, throwing a projectile of 540 lbs., with a charge of 50 lbs. of prismatic powder, and are intended for the defences of Cronstadt. A 15-in, breech-loading gun has been commenced, which will eventually belong to the Russian Government; it is to be exhibited in the Paris International Exhibition. The projectile will weigh about 1900 lbs. Though the manufacture of Krupp's crucible com

Notices to Correspondents.

CHROME IRON ORE.—"Inquirer" would be glad to know from any readers of the Journal of a market for and price of Chrome Iron Ore in grain, yielding from 30 to 40 per cent. of the sesqui-oxide of chromium?

from 30 to 40 per cent. of the sessui-oxide of chromium?

MINING IN LANCASHIBE AND CUMBERLAND.—In last week's Journal there is a letter, signed "Observer," recommending North Lancashire and Cumberland as good fields for mining enterprise, eiting the copper mines at Coniston for example. With much deference, I suggest that it is very undestrable to have mines opened for lead on copper in this region, which has splendid takes, here-tofore swarming with fish, sources of great attraction to anglers and tourlists, and, consequently, beneficial to the district, by causing money to be spent there. The value of these waters will be nothing, and the lish annihilated, if polsoned with mineral water; and I suppose this cannot be prevented, from flowing into them. The beautiful lake at Coniston is ruined for fishing by the water sent into it from the copper mines in question; Uliswater is in the same state from the lead mines; and Windermere will follow as soon as similar causes come into operation. There is further cause for objection to mines from the fact that projects are afloat for using the waters of these lakes to supply some of the great towns in Lancashire with pure water. If these waters are impregnated with lead or copper in solution they will be quite unift for consumption. I hope these considerations will have some weight.—CONSTANT READER: Manchester, Sept. 6.

READER: Manchester, Sept. 6.

Hisoston Down.—No doubt some of your readers will inform me, through your valuable Journal, which I have read for a number of years, why the above mine is quoted so low, although it has paid 20,000l, in dividends, and just distributed another 150d. (5s. per share), retaining enough for another 5s. In hand, clear of liabilities. The mine is provided with a large plant, comprising two steam-engines and other first rate machinery, is well managed, and was never looking better. The shares have been four times their present price, with the prospects not so good. With a rising standard, this mine will tell its own tale.—N. M.

its own tale.—N. M.

MINE MANAGEMENT—OLD WHEAL RUSSELL.—I have held shares in this mine for many years, during which time calls have been made with the greatest regularity; but, although the mine is still going on, it can be scarcely be called working, as only a few men are employed. I see that Capt. Bray reports the lode worth so much per fathom for ore; but I watch the ticketing papers, and see no sale. What has become of the ore? I suppose the purser is waiting for better prices. If so, and if they have large quantities, it will be better not to glut the market by seiling all at once. We have a staff kept up, of resident agent and local purser, and the mine cost averages about 40% monthly—so that, after paying the agency costs, how much can be left for mining operations underground? No report has appeared in the Journal for, I should think, twelve months. Surely, it is time to look into this mismanaged affair.—SHAREHOLDER.

OLOGER MINING COMPANY.—Can any reader inform me if there is any chance of ever getting anything from this company? I hold 50 shares (original), or which I have paid 601, and for a long time have not heard anything of the concern.—SHARKHOLDER.

CONCETN.—SHARKHOLDER.

ALSTOCK CONSOLS.—The latest report just received by me, as a shareholder in this mine, is that "The banescombe lode continues to be worth from 15L to 20L per fm., and is laying open very valuable ground." There are 230 shares to be tendered for on the 10th, and they will all be purchased: they are for-feited shares. What price they fetch will fix the selling price of the shares. As soon as the new setts are completed, the shaft will be commenced to ventilate the ore ground laid open, so as to be able to return it.—A. Sharkeholder.

Street, Chr. Radders, —Without expressing an onlying as to the value of the

tilate the ore ground faid open, so as to be able to return It.—A SHAREHOLDER. STEEL GUN-BARRELS.—Without expressing an opinion as to the value of the gun-barrel manufacturing process described in last week's Journal, we beg leave to dispel the error of your informant as to the difficulty and expense of boring mild steel from the solid bar. Ever since 1826 Messrs. Berger and Co., of Witten, in Prussia, have supplied some millions of cast-steel barrels, so made, to their own and every other well-armed Government in Europe, bored at an expense of about 9d, per barrel, by drilling benches of the highest accuracy, the cost of which does not exceed 5d. England, always behind in appreciating the application of steel to useful purposes, has hitherto not devoted a sectious thought to the improvement of the material used in small arms, but the adoption of a breech-loader will soon make the question of vital importance.—HEINTZMANN AND ROCHUSEEN: Abcharch-lane, King William-street.

New BIRCH TOR AND VITIFER CONSOLS,—Can anyone inform me what has become of this company, and whether the actual extent of the late defaications has ever been ascertained?—P. H. J.

has ever been ascertained?—P. H. I.

DYENGWM MINERS.—In the notice beneath the Share List you properly state that you are desirous of making it as perfect as possible, and call upon those interested to assist you in doing so. As a shareholder in the Dyfingwm Mines, I observe that for years the amount paid appears to have stood at 124.6s., while, unfortunately, to pay cest, I have been latterly obliged to pay frequent calls, and, therefore, 124.6d. must be either wrong now, or it must have been so all along. Why the secretary has not kept you properly informed I am at a loss to understand. For the first time, too, I observe that the shares are marked as if business had been done at 7 to 8; I should like to know whether these are considered brokers' prices, and whether they mean shillings or pounds, inasmuch as I understand that a short time shares were forfeited because a call of 8s. per share could not be paid, and the shares unsaleable at any price.—A SHAREHOLDER IN DYFNGWN: London, Sept. 4.

any price.—A SHAREHOLDER IN DYFNOWN; London, Sept. 4.

New PEMBROKE.—This mine is not known in the market, as the shares are held firmly for investment, but they appear in the List every week, though no "business" is done in them. For the information of your readers, I may state that the locality of the mine (close to Par Consols) is considered by practical men to be first-rate for mineral. The deeper the workings have been continued the better are the lodes for mineral, and extra steam power is now being prepared to sink the shart deeper. This extra steam power is an additional bolier to the same engine, and everyone is hopeful of good results. A further rise in the standard for copper and tin is fully expected by the Cornish miners. The last call on these shares was is, 6d, per share, and they sold during the past four months about 8 tons of black tin, and will return more than that during the next four months, and also 39d, worth of copper ores. The next meeting will be held in November, when great improvements are expected.—A CORNISHMAN.

A CORNISHMAN.

ALDRECK FELLS CONSOLIDATED MINING COMPANY.—The large interest I hol in this company is the best evidence I can adduce as to my opinion—base upon that of the leading practical authorities of Cornwall and elsewhere—the actual value of the property; but I cannot help thinking that the share holders have a right to expect from the directors or manager some explanation as to the reason why returns have not yet been made. In connection with property of such an extent, there is of course a considerable amount of wor to be done and machinery to be erected, in order to develope the resources upon such a scale as that contemplated by the board, but these works have now bee some time in progress, and as yet no substantial results realised. I would no have the directors or manager infer from the above remarks that my opinion of the malue of the property is in any way changed, the more particularly whe CALDBECK FELLS CONSOLIDATED MINING COMPANY.—The large interest in this company is the best evidence I can adduce as to my opinion of the value of the property is in any way changed, the more particularly of the value of the property is in any way changed, the more particularly recollect that since the formation of the company there has been given its interest, which was the property of the propert the latter stating that "I never saw better-looking lead lodes in any part of the world than at Caldbeck Fells, and if the lodes turn from the carbonates into blue lead the Caldbeck will be the greatest lead mining property in England, and I believe the chances are 50 per cent. In its favour." While the shareholders cannot but thank "the veteran miner"—Capt. James—for the expression of such an unusually favourable opinion as to the ultimate position of their property, it would have carried much greater and more demonstrative weight had he stated the grounds upon which it was formed. Be this as it may, the shareholders have an unquestionable right to some detailed information as to the position and prospects of their enterprise.—A SHAREHOLDER.

tion as to the position and prospects of their enterprise.—A SHAREHOLDER.

THE ELECTRIC TELEGRAPH IN 1796.—The attempts made to introduce telegraphy
by simple electricity, which have not succeeded, must be distinguished from
those by voltate magnetism=electro-magnetism, which have been everywhere
successful, except in deep seas. As respects electricity, arthur Young (1787-9)
mentions the experiments of Lomond, who conveyed messages from one room
to another. Francis Ronalds, who rejected the galvanie or voltate electricity,
proposed by some Germans and Americans, and now successful, transmitted
signals a distance of eight miles. He wrote in 1823, and states that Cavilio
proposed to convey intelligence by passing sparks through an insulated wire
(Penny Fync, xxiv., 154). The relation of electricity to magnetism engaged
the attention of the Electoral Academy of Bavaria as early as 1774. In 1777,
Beccaria first noticed that an electric shock made the two ends of the magnetic needle change their position to east and west. It was not till 1813 that
Oersted published in German his work on the identity of chemical and electric
forces, which was immediately translated into French by Marcel des Serres. overstea published in German his work on the identity of chemical and electric forces, which was immediately translated into French by Marcel des Serres. It was in Oct., 1820, that Gersted himself communicated in Thomson's "Annals of Philosophy" the method of causing the needle to diverge to the right or left by the voltaic force. In 1837 Cooke and Wheatstone first took out their patent; and in 1841 the Great Western Railway, influenced by Brunel, had a line 13 miles in length from Paddington.

THE MINING JOURNAL

Railway and Commencial Gazette.

LONDON, SEPTEMBER 8, 1866.

PETROLEUM AND SHALE OIL AS SUBSTITUTES OF COAL,

PETROLEUM AND SHALE OIL AS SUBSTITUTES OF COAL.

The report of experiments that have been conducted at Woolwich Dockyard, with the view of testing the value of petroleum and shale oil as substitutes for coal in raising steam in marine boilers, recently published by order of the House of Commons, would be calculated to excite disappointment if the statements made some two years ago, when this subject was first broached, could have been generally received with any degree of credence. Among the advocates of this proposed substitution, it will be remembered by our readers that Mr. RICHARDSON—who speaks of the use of petroleum in steam navigation as his invention—stated in a letter to the Mining Journal of Dec. 24, 1864, his conviction that 42 gallons of oil were quite equal as steam-producing power to 1 ton of coals. At the same time, admitting that this required to be proved, he offered the assurance that it should be proved. That opinion was so entirely at variance with the well-known characteristics of petroleum, and with its equally well-known nature in regard to the production of heat, that no one at all conversant with the conditions upon which the heating capability of any fuel depends, could for a moment accept Mr. RICHARDSON'S view as correct. However, since he undertook to prove such to be the case, and since the Admiralty had ordered experiments to be made on the subject, courtesy demanded that the result of those experiments should be waited for. If it were a fact that 1 ton of petroleum or of coal oil would do the work of 6 tons of coal, of if by any combination of conditions six times as much practical effect could be realised from 1 ton of petroleum as from 1 ton of coal, then, indeed, all the arguments which had been urged against the possibility of substituting petroleum for coal would to a great extent, if not entirely, lose their force. In such a case it would be quite conceivable, so far as steam production alone was concerned, that petroleum might be substituted for coal as fuel, even though it might be substituted for cosh a case a vast advantage would have been gained by the substitution, inasmuch as a far smaller amount of stowage would have been required in a ship propelled by steam, to enable it to keep the sea for a given time, and the space which would otherwise have been occupied with coal might have been devoted profitably to the stowage of cargo. In the case of steam-propelled war vessels, also, a still greater advantage would have been gained by the substitution, if the relative fuel-values of petroleum and coal were in the proportion of 6 to 1; inasmuch as these vessels would then have been able to keep the sea six times as long as they could do with coal as fuel. Certainly, there were objections to the use of petroleum as fuel in steam-vessels, which were quite independent of any considerations as to the heating capability of this material as compared with that of coal; but, in the face of such a disproportion ate advantage as that involved in the heating capability being six times as great as that of coal, these objections might have been distimes as great as that of coal, these objections might have been disposed of and removed. Consequently, the question as to the feasibility of using petroleum narrowed itself to the enquiry whether I ton

times as great as that of coal, these objections might have been disposed of and removed. Consequently, the question as to the feasibility of using petroleum narrowed itself to the enquiry whether I ton of petroleum could be got to do the same work as 6 tons of coal—everything, indeed, turned upon that. The consideration of further questions would have been premature until that was determined.

Mr. Richardson and his supporters scoffed at the idea of being enlightened on this question by scientific knowledge, and clamoured loudly against the attempts which were made to convince them of their error. They were steadfast in refusing to listen to arguments based upon the physical principles involved in the generation of heat from fuel. These were denounced as being mere theory, inapplicable to the solution of the question. No doubt they were perfectly sincere in their want of appreciation for such arguments, and no doubt the reason of it did not at all savour of affectation. But still nothing else than practical trial would satisfy them. No tribunal can be more efficient either for proof or disproof. Conviction being otherwise unattainable, no one could object to recourse being had to such a test. An opportunity was afforded under the sanction of the Admiralty; but no sooner had experiments been commenced than the solution of the main question was impeded by difficulties of a minor character. It was found to be by no means easy to burn this highly inflammable material petroleum, or at any rate to burn it in the sense in which steam fuel requires to be burned—that is to say, in such a manner as to generate its equivalent of steam within the boiler. This erratic material showed a predilection for escaping from the boiler furnace unburnt, and either manifesting its capability of generating heat by torrents of flame issuing from the mouth of the funnel, or showing its versatile powers by choking the flues with soot, and smothering the neighbourhood with black smoke. These sort of vagaries were very inconsistent with th

ing of grates and other digressions, the fire was eventually got to burn for some five or six hours at a time, still, however, not without copious smoke, an accompaniment not by any means desirable or pleasant for a gun-boat trying to get within range of an enemy unperceived. At the same time, the records of experiments indicate a very unsatisfactory state of flues after each of these short trials, for the notes attached are often "very foul," or "nearly choked;" and when it is remembered that soot deposited is steam lost, this result is by no means reconcilable with a six-fold practical effect, to say nothing of the hindrance a vessel would experience in consequence of choked or foul flues, and the waste of fuel attending such a state. But to proceed to the great question, as to sixfold steam-producing power. What says the report as to this vital point? The best results in the table given with the report are those obtained on the 5th, 6th, and 7th of June. These trials varied from six to ten hours each, and the quantity of water evaporated was about 18 lbs. per 1 lb. of oil consumed. Now, 10 lbs. of water is not unfrequently evaporated per 1 lb. of coal consumed, so that the result obtained in the most successful trials with petroleum is very far from indicating a sixfold practical result, or even a sixfold actual capability. In some of the trials the amount of evaporation was not more than about 7 lbs. per 1 lb. of oil consumed, especially when the trial was continued to a second day, and then also the tubes were very foul at the conclusion of the experiment, showing that the combustion was very imperfect. A still more significant fact established by these experiments, in regard to the applicability of petroleum as steam fuel, is the low rate of evaporation indicated as obtaining in all the trials, sometimes less than half that obtained with the coal trial boiler at Woolwich—34 cubic feet per square foot of grate surface, a rate of evaporation

than half that obtained with the coal trial boiler at Woolwich-34 cubic feet per square foot of grate surface, a rate of evaporation which is much below what is attainable in practice with coal. No doubt this result is due to the precautions requisite for maintaining which is much below what is attainable in practice with coal. No doubt this result is due to the precautions requisite for maintaining the combustion without smoke or choking of the flues with soot. This necessity is sufficiently felt in the use of coal; but if the use of petroleum as fuel involves such a steering between Seylla and Charybdis as is indicated by the Woolwich trials; and, if the results are even then no better than those reported, there is an end to all hope of realising the sixfold steam-producing power, and a sufficient demonstration of the impracticability of substituting petroleum for coal with any kind of advantage. This is, indeed, the real issue of Mr. RICHARDSON's trials at Woolwich, and that is the purport of the report which has been presented to Parliament on the subject. That being the case, it is quite unnecessary to enter upon any further consideration of the many other questions which might be raised as to the practicability or advantage of using petroleum or coal oil as steam fuel in marine boilers, and it is to be hoped that this will be sufficiently apparent now to everyone. Mr. RICHARDSON has most successfully proved that he was totally in error in the opinions he maintained so vigorously. He has had the satisfaction of doing this by means of the test which he selected himself, and we hope he will now OAL, lwich shale

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be able to perceive that the opinions expressed in this Journal on several occasions in reference to this subject, were worthy of being accepted, and that they might have saved him a great deal of misapelied labour in the pursuit of an object which was from the outset

PETROLEUM IN ITALY.

PETROLEUM IN ITALY.

In a former Journal we mentioned the fact of the discovery in Northern Italy of some important petroleum-bearing lands. We have since been favoured, by Mr. E. St. John Fairman, F.G.S., Fellow of the Geological Societies of France and Milan, with a few memoranda, which we publish as likely to interest those of our readers who follow this important question of Petroleum. We hope at an early date to be able to produce in our columns the map of the districts showing the strike of the petroleum zone, which Mr. Fairman has promised to hand us when completed, as also to quote extracts from the pamphlet which he is at present occupied in arranging. Having devoted considerable time and labour to the subject, and experienced those pleasing delights which only those appreciate who have travelled on foot for months over the Italian mountains, and waded through the brooks and torrents so numerous in those pro-

have travelled on root for months over the Italian mountains, and waded through the brooks and torrents so numerous in those provinces, living, or rather existing, on the famous "polenta" and new red wine, a mixture to be supposed highly conducive to cholera, he returned, and pronounced 134 different localities in the provinces of Parma, Reggio, and Modena as rich petroleum-producing tracts, The importance of his labours attracted the attention not only of the provinces but likewise that of the Government, and the result obtains the most flattering appreciation in the country and from

the provinces but likewise that of the Government, and the result obtained for him most flattering appreciation in the country and from the local press. The Government, convinced of the benefit that the country would derive from the development of its own buried resources, passed a law (May 1, 1866) raising the duty on refined petroleum from 2 frs. to 6 frs. per 100 kilogrammes. We shall no doubt see that Italian petroleum will become ere long an important article of commerce. Our contemporary, the authority of the day on oil matters, writing on Aug. 4, asserts that "the samples are very remarkable for their natural purity, several of them being as transparent as the best refined coal oil; they are, in fact, the first samples of transparent crude oil which have come under our notice."

of transparent crude oil which have come under our notice."

Many petroleum wells have existed in these provinces for centuries, and are referred to by HERODOTUS, PLINY, HUMBOLDT, SPALries, and are reterred to by HERODOTUS, PLINY, HUMBOLDT, SPALLANZANI, VALISNERI, &c., and in the works of many modern geologists. Only about 30 years ago a trial was made, and good results were obtained in the province of Piacenza, when 28 common brick wells were sunk to from 45 to 75 metres, and they produced on an average 25 kilogrammes of oil per diem. In 1802 the city of Genoa was lighted with petroleum from Miano. The famous theatre at Reggio was also illuminated with the mineral oil from the wells of Montegibbio. In olden times one well at Sant' Andrea, at a don't Reggio was also mammated with the internal of from the wells of formetres, produced 100 pesi per diem (25 lbs. per pesi); this well fell in through bad brickwork. At Miano one well, 73 metres deep, contained 125 feet of oil. The oil merely filters or drips into the well, no mechanical appliances other than a rude bucket and rope being used to obtain it. The diameter of the wells is generally about 11 metre; it is now sold to dealers in Milan, Parma, Reggio, Modena, and may be seen hurning in many a lump and is known. 14 metre: it is now sold to dealers in Milan, Parma, Reggio, Modena, and Sasualo, and may be seen burning in many a lamp, and is known generally by the name of "lucilina," and the inhabitants of the villages in their evidentity of the wells are at the present day burning these cils in their evide state. In the days of the dukes, the ex-duchlies produced annually about 24,000 kilogrammes of oil, which, selling at 250 frs. per kilogramme, gave to the province an income of 60,000 frs. Large quantities were shipped to Greece during the War of Independence to prince their fire-ships. ce to prime their fire-ships.

FOREIGN MINING AND METALLURGY.

The advance which has just taken place in coal in Belgium, and the seantiness of the extraction, which scarcely keeps pace with the requirements of the moment, have accelerated orders for supplies, as industrials entertain apprehensions that a fresh rise will occur in quotations. Stocks are almost unknown, as in proportion as the extraction is made available it is carried off by boat or railway. In the Mons basin the demand exceeds the possibility of meeting it; in the Centre, also, great activity is remarked in the demand. In the Licego basin the same state of affairs prevails, there being an abundance of orders and a restricted production. Several coke-furnaces are being constructed at Seraing, with a view to meet the requirements of the blast-furnaces of the Moselle and the Luxembeur. The position of Belgian siderury presents some embarrassment. It is not orders which are wanted by the Belgian rolling-mills; on the contrary, they are tolerably well supplied with them, and some contracts for rails are understood to be in course of negociation, but production is everywhere greatly restricted from their production. The blast furnaces, which for several weeks a significant of the products of the blast-furnaces of the Luxembourg and the Moselle, is always increasing, so that the quotations for refining and casting pig are parely nominal. To this state of affairs must be added the offer, at very low raits, of the products of the blast-furnaces of the Luxembourg and the Moselle, the products of the blast-furnaces of the Luxembourg and the Moselle, the products of the blast-furnaces of the Luxembourg and the Moselle, the products of which are endeavouring now to form a connection on the Blegian band meeting. It will be remembered that on the occasion of an important contract for passenger carriages and goods trucks required for the State lines, and a few parts of the department, and attempted to prove that the saving thus realised the Castoms' duties some parts of the Belgian bare flavored that the administration of The advance which has just taken place in coal in Belgium, and the scantiness of the extraction, which scarcely keeps pace with the requirements of the moment, have accelerated orders for supplies, as

page 18 of the rest company, Sept. 28, at Paris; Andenne Metallirgical company, at Andenelle; Sars-Longchamp and Bouvry Collieries Company, Oct. 25, at 8t. Yasat.

Chilian copper has hardened at Havre, 81t. to 85t. per ton having been made during the last few days. The position of the other markets of the Continent appears to be generally improving, and prices have displayed an upward tendency. At Amsterdam, Drontheim copper has made 64 fis.; English, 46 fis.; and Swedish, 49 fis. At Havre, Chilian and Peruvian, in bars, have made 85t.; Peruvian mineral (pure standard), 85t. to 85t.; United States (Baltimore), 94t. to 96t.; ditto, Lake Superior, 100t, 514t; Mexican and Plata, in bars, 72t. to 74t.; Russian, 90t. to 92t.; old yellow copper, 52t. to 56t.; red ditto, 76t. to 77t.; and bronze, 68t. to 76t. per ton. At Paris, English, in plates, has made 84t.; and Chilian has brought the same Price. As regards tin, the sales effected of late on the Dutch markets have not been considerable, but they indicate, novertheless, a certain revival in affairs; during the last fortnight the tendency of the market may be said, in fact, to have been upwards; 48 fis. has been paid for Banca, but at the last dates sellers could not be found at that price. At the same time, the upward movement in the may be checked by the approaching public sale, on which the attention of paces of Banca, and 700 ingots of Billiton, of which 25,500 ingots are deposited at Amsterdam, 49,000 ingots at Rotterdam, 3900 ingots at Podrecht, 1900 ingots at Middlebourg. As compared with a sale held on March 21, 1866, the total quantity offered at the approaching sale is likely to be less by 2500 blocks. The Society of Commerce has declared that it will not bring any other tin upon the market before next spring, as, before that period, no public sale will be held in the Dutch Indies on Government account. The firmness

of the English and Dutch tin markets has exerted a favourable influence on the tone of the German markets, which remain generally firm. At Rotterdam the last quotations reported were—Banca, 48½ fis.; Billiton, 47½ fis.; and English, 48½ fis. At Paris, Banca tin has made 87£; Detroit, 83£; and English, 82£, per ton. At Havre, Banca ians made 84£; Detroit, 83£ to 82£; and Feruvian, 64£ to 76£ per ton. At Hamburg the price of lead has been sustained, although the market is without animation. The tone of the other lead markets has been generally rather feeble, but prices have remained without change. At Rotterdam, Stolberg and German has made 11½ fis. At Amsterdam soft lead has realised 12 fis., and Stolberg has brought the same price. At Paris, Spanish sammons have made 204, and French, 204. 8s. per ton At Havre, Spanish has made 191. 16s. to 204, and lead from other sources, 194. 16s. per ton. The Hamburg zinc market has displayed a better tendency; affairs have not yet regained, however, all their former activity. The good tone of the advices from London and Hamburg has exerted a favourable influence on the Breslau market, and although transactions have been restricted, prices have hardened considerably. The other German zinc markets also remain firm. At Paris rough Silesian has made 214, 4s. per ton.

The production of pig and iron appears to be developing itself satisfactorily in France. The following table indicates the production of pig and iron in each French group during the first six months of this year, as compared with the corresponding half of 1865:—

Group. The 1868. 1865. 170n–1866. 1865.

Group.	Pig-1866.	1865.	Iron-1866.	1865,
Aveyron	Tons 18,858	. 15,117	25,659	15,390
Ardennes and South of t	he Moselle. 57,590	. 58,419	38,016	36,400
Paris		. 12,000	22,718	23,080
Centre	72,086	. 70,484	54,280	55,460
Champagne	68,219	. 59,907	39,496	35,084
Comté	35,830	. 38,229	28,290	24,199
Corsica	9,946	. 7,239	420	**** 325
Creusot	57,666	. 49,000	50,086	46,278
Escaut	34,905	. 32,000	33,045	25,103
Gard and Bouches-du-Rh	one 19,004	. 22,957	10,524	11,547
Loire	95,658	. 94,095	65,402	65,402
North of the Moselle	81,947	. 69,125	42,465	41,678
North-West	12,119	. 12,408	7,988	8,375
Sambre	40,208	. 42,770	32,827	29,086
South-West	17,182	. 17,165	5,260	5,221
	-		-	-

ing the first six months of 1900 and 1900.			
Source of supply.	1866.		1865.
England Tons	554	Tor	18 692
Belgium	80,298		. 125,549
Germany	33,783		. 37,412
Spain	29,586	*********	. 21,119
Italy	44,110		. 36,054
Algeria			
Other countries	1,761		. 3,733
	-		-

Total. 226,134 . 241,731

It will be seen that the imports of minerals declined to the extent of more than 6 per cent. in the first half of this year, as compared with the corresponding period of 1865, while the production of pig increased to the extent of nearly 6 per cent. and that of iron to the extent of more than 8 per cent. Annexed is a comparison of the imports and re-exports of pig by warrants during the first halves of 1865 and 1866.

of 1865 and 1865 :— 1866. Free of duty Tons 43,198 Tons With payment of duty 20,636	1865. 52,258 41,568	
Total. 63,834 A similar comparison with regard to iron and plates exhibits the suits :— 1866.	annexed 1865.	re-
Free of duty	20,234 2,212	
Total 30,177	22,446	

Total.

30,177

22,446

It will be observed that the total imports of pig declined to the extent of nearly 32 per cent. as compared with the corresponding period of 1805, and it is to be remarked that the diminution arises principally under the head of introductions with payment of duties—that is, those which remain in the country. As regards iron and plates, the first half of this year presents an increased import of 34 per cent. over the corresponding period of last year, but this increase only occurs under the head of imports duty free—that is, imports again intended to be exported from the country; as regards imports paying duties, they present a diminution of nearly 40 per cent. Upon the whole, it may be concluded that siderurgy has a considerable tendency to improve in France, as we see—first, the production of pig and iron increases in almost all the metallargical groups at the same time; secondly, the imports of minerals diminish; and, thirdly, the imports of minerals diminish; and, thirdly, the imports of minerals diminish; and, thirdly, the imports of pig and iron for consumption in the country considerably diminish.

MINING, METALS, AND MINERALS—PATENT MATTERS.

By M. HENRY, Memb. Soc. Arts, Assoc. Soc. Eng.

By M. HENRY, Memb. Soc. Arts, Assoc. Soc. Eng.

An Application for Patent has just been filed by W. E. NEWTON, No. 2215 (as a communication from B. H. Jenks, of Bridesburg, Pennsylvania), for preventing oxidation of lead balls in fixed ammunition; this application was dated Aug. 28.—On the 1st inst., A. LEBANDY, of Spring-gardens, applied for Provisional Protection, No. 2252, for a solder for joining metals, and for uniting fractures in metals, and for similar uses; this is a communication from C. Halot, of Brussels.—On the 3d inst., D. CADDICK, of Ebbw Vale, applied for Provisional Protection, No. 2259, for constructing and working furnaces for puddling, balling, heating, and melting metals, and for

metals, and for similar uses; this is a communication from C. Halot, of Brussels,—On the 3d inst., D. CADDICK, of Ebbw Vale, applied for Provisional Protection, No. 2259, for constructing and working furnaces for pudding, balling, heating, and melting metals, and for economising the heat of such furnaces. An application for patent relating to metallurgy from Ebbw Vale demands attention.

The following Notices to Proceed have been lodged, and any opposition intended to them must be lodged on or before the 25th inst.:—No. 1297, NEWTON (communication from Bomeisler, of Philadelphia), steel.—No. 1216, NEWG. (Communication from Bomeisler, of Philadelphia), steel.—No. 1216, NEWG. (Present), furnaces for facilitating anoke combustion, and preventing cold air from going into lines while iring.—No. 1224, Thomas and Phince, in the control of th

importance have attended trials of the gaseous fuel system projected by Mr. Ensell.

—A reference to M. MARCAIS' mode of obtaining tin ores recently appeared in this Journal. M. Marcais has recently visited this country in reference to his patented plan. The specification is not yet published.—The treatment of pyrites containing copper and tin has recently formed the subject of a patent, No. 325°, taken out by Mr. PENGILLY, of Falmouth. The specification refers to sulphurous and arsenical pyrites. Mr. Pengilly proposes to employ two furnaces—an upper and a lower; he recommends a length of 10 ft. for the former, and a length of 40 ft. for the latter. The upper furnace is so disposed at the end of the lower, that ores treated in the upper one may be heated with the fire from the lower one, and the ores are let down into the latter at the end farthest from the fivence, and into the latter at the end farthest from the fivence, and the ores are let down into the latter at the end farthest from the fivence, and subjected to make the subject of cold air is admitted to sublime the volatile subjected to mechanical agitation, until they reach the end nearest the fire-place, or until the whole of the arsenic is sublimed; the furnace is arranged to contain four charges from the upper one, each charge being at a separate stage of the process. If the ores do not contain sufficient subjective for the two above-described furnaces. The fumes from such calciner are passed through tubing of iron or other material carried to some distance from the ealcliner; the same thing may be done with the fumes from such calciner are passed through tubing of iron or other material carried to some distance from the ealcliner; the same thing may be done with the fumes from the two previously-described furnaces. By these means, the extraneous matters are more effectually separated from the arsenic. Near the fire-place is a boiler, containing water heated to from 180 to 200° Fahr, and maintained at that temperature. The ores when freed from the s

REPORT FROM SCOTLAND.

REPORT FROM SCOTLAND.

GLASGOW, SEPT. 5.—The Pig-Iron market has steadily improved this week, and prices have advanced 1s. 3d. to 1s. 6d. per ton, and a considerable business has been done in shipping iron at these prices. The operations in open market partake of a more cheerful tone, and with money at 5 or 6 per cent., the general trade of the country is expected to improve, and carry iron along with it. In the stocks there is a reduction of 43,000 tons for the month last past, and the ratio of diminution is being maintained. In the Glasgow stores there are 442,433 tons at present, against 348,876 tons at the same period in 1865; while at Ardrossan there are only 90 tons, against 16,928 tons in 1865. It will be thus seen that the stocks are being rapidly reduced; and as there are only 87 furnaces in blast at the present time, as compared with 135 at the corresponding period of 1865, stocks must go on decreasing until the present overplus of "warrants" are either absorbed by shipments or are taken into consumption, as there time, as compared with 135 at the corresponding period of 1865, stocks must go on decreasing until the present overplus of "warrants" are either absorbed by shipments or are taken into consumption, as there is yet no motion on the part of the ironmasters to re-light their extinguished furnaces. For the week just ended, the shipments are 734 tons over the same week in 1865; the proportions being, this year 14,666 tons; last year, 13,932 tons. Slight as this increase is, it is on the right side, and reduces the decrease on the year to 85,093 tons. To-day a temporary damper was thrown over the iron trade by the appearance of the name of the proprietor of the Phænix Foundry in the list of sequestrations. At the meeting of the creditors of this firm, it will be recollected that the creditors accepted of the composition offered by the company—10s. in the pound; but it turns out now that one firm of creditors was unrepresented at the meeting when the agreement was entered into, and their non-acquiescence in the offer has sent the firm into the Gazette. The liabilities of the proprietors of the Phænix Foundry, at the time of the stoppage, was 243,7481. Creditors representing fully 225,0001. having concurred in the arrangement, it is regretted that one firm, having only a small claim, should have had the power to overrule the concurrence of the great body of the creditors. Messrs. Bolckow, Vaughan, and Co. (Limited), Middlesbro', are reported to be the non-accepting firm, with a claim not greatly exceeding 14,0001. The name of Joseph Rowell, iron merchant, Aberdeen, also appears among the sequestrated. To-day about 10,000 tons were done at 55s. 41d to 55s. 7½d. cash, 55s. 10½d. to 56s. a month; sellers over at the close at 55s. 7½d. cash, buyers 55s. 6d. There is a better feeling amongst the makers of Malleable Iron, and the few additional orders which have been placed this week to 56s. a month; sellers over at the close at 55s. 7\(\frac{1}{2}\)d. cash, buyers 55s. 6d. There is a better feeling amongst the makers of Malleable Iron, and the few additional orders which have been placed this week has given rather more buoyancy to the trade. Blochairn Malleable Works, which were expected to have commenced this week, have not been completely transferred into the hands of the new firm—that of Mr. Hannay—said to be the son of the junior partner of the firm of Schneider, Hannay, and Co., Liverpool. In castings and ironfounding a fair business continues to be done, without change in prices. Coals are in good demand, without variation in price, but as determined efforts are being made by the colliers to get up their wages to 5s, a day for the eight hours' work a rise cannot be far off. There is some talk about importing miners from Cornwall, where there is

to 3s, a day for the eight hours' work a rise cannot be far off. There is some talk about importing miners from Cornwall, where there is said to be great numbers in want of occupation, and, undoubtedly, there is "room and range enough" for a few thousands in the coal fields throughout Scotland. Til once labour becomes more abundant, or mechanical appliances are substituted for the refractory operators now engaged, there will be little rest from systematic and harrassing demands. The shipments are 11,000 tons short on the week 38,38,505 tons heavy all the amount this week against 38,285 tons week, 25,235 tons being all the amount this week, against 36,285 tons in the same week last year. This is a discrepancy, and a deficiency which is ominous enough.

The Glasgow Jute Company (Limited) have intimated a dividend 11 per cent., free of income tax, adding 6900l, to the reserve fund, and carry-g 5724l, to next account.

ing 37241, to next account.

In the shipbuilding trade the attitude of the carpenters in continuing on strike after the other shippard artizans have commenced operations, has determined Messrs. Scott and Co., Greenock, to disbatch their new screw-steamer, Achilles (for the China trade) to have her carpenter work done at Liverpool; and Messrs. Caird and Co. intend forwarding to a continental port the large new screw-steamer, Deutshland, to have her fittings, &c., completed.

REPORT FROM MONMOUTH AND SOUTH WALES.

REPORT FROM MONMOUTH AND SOUTH WALES.

SEPT. 6.—The gloom which for so long a period hung over the Iron Trade of this district has, to a great extent, passed away, and the further reduction in the rate of discount has created quite a cheerful tone among all parties. The general feeling is that it will eventually fall to 4 per cent., and many buyers, acting on this belief, are not so forward in entering into transactions. Whether this be wise on their part is a question, as prices have already an upward tendency—in fact, in some instances, an advance has been asked and given, and there is a probability that a general rise will take place before long for Welsh iron. Whilst the easement in the Money Market, and a renewal of confidence has brought sunshine to makers, it has also happily been the means not only of stopping the proposed curtailment in operations at the works, but of checking the mania for emigration which had strongly set in among the workmen and their families in several parts of the district, so that when operations become more active at the several works, there will not be such a scarcity of labour as a week or so since was anticipated. On home account a few transactions have been entered into during the past few days, and future prospects become almost daily more reassuring, although, from the heavy blow the commercial world has received from failures, &c., ranny parties will not for some time be in a position to place orders which otherwise they would be only too glad to give out. In the foreign trade business has, during the week, again moved a little, but not to any material extent. The American ad-In the foreign trade business has, during the week, again moved a little, but not to any material extent. The American advices continue encouraging, the enquiry being very good. Transactions with the provinces of British North America are satisfactory, and the autumn trade looks promising. With the markets of South America business is somewhat inactive, and the enquiry is limited. The reduction in the price of money cannot fail having a considerable effect upon trade with the East, which shows signs of renewed animation. The Baltic shipping trade is approaching towards its close; there are, however, several contracts under hand, which are close; there are, however, several contracts under hand, which are being pushed forward, and two or three cargoes of rails have, in the course of the week, been cleared out at the local ports for Northern Europe. Business is beginning to revive with Italy, which has always been a good customer, and a few orders have come to hand from the other continental markets. There is a slightly improved enquiry for Welsh pigs, but no change of any importance has taken place in quotations. For tin-plates there is more vitality in the demands, and the prices realised are remunerative to makers. The steam coal collieries are actively employed, and whilst considerable quantities are being exported to the foreign markets, and for marine purposes, the being exported to the foreign markets, and for marine purposes, the tonnage sent inland is largely increasing. The demand for house coal is about the same as last week.

At the South Wales Colliery Company (Limited) extraordinary

general meeting, held at their offices, Ethelburga House, Bishops

gate, on Aug. 31 (Mr. L. Heyworth in the chair), the report of the directors recommending the declaration of an *ad interim* dividend, at the rate of 5 per cent. per annum, for the half-year ending June 30, was unanimously adopted, and votes of thanks and confidence to the

was unanimously adopted, and votes of thanks and confidence to the Chairman and board of directors closed the proceedings.

In a previous number of the Journal appeared particulars of a case in which some paddlers engaged at the Hirwain Ironworks were charged before the magistrates with having thrown cold iron into the forge-rolls, and thereby causing serious damage to the machinery. The further hearing of the case was adjourned, but since then the matter has been privately settled, and no further proceedings will be taken.

A serious accident has happened to the new blast-engine recently received at Erbey Vale, which will cause the entailment of a large expenditure to

A serious accident has happened to the new blast-engine recently erected at Ebbw Vale, which will cause the entailment of a large expenditure to repair. Fortunately, the breakage only caused a stoppage to the works of a couple of hours or so, the old engines being got into work almost immediately. A case of gross wilful misconduct on the part of a coal miner was heard on Saturday, before the Newport magistrates, by which the lives of a large number of men were placed in jeopardy. Dennis Daneen, employed in the Risca Colliery, was charged with having wilfully damaged his lamp. It appeared that when defendant descended the pit to work on the night of Aug. 21, John Bryant, the lampman, gave him a lamp which was in an efficient state, but on the following morning, when he delivered his lamp to another lampman, named George Holloway, it was found that a hole had been made in the gauze work; when this was pointed out to him, he complained that it was a bad one, and he could not work by it. The overman said that from the peculiar mode in which the hole was made the safety of the pit was seriously endangered. The Bench asked if defendant would be allowed to work in the pit again? The overman replied certainly not. The Bench pointed out to defendant the helmousness of his conduct, and fined him 11. and costs.

At the Pennarth Harbour Company meeting, on Thursday (Mr. C.

was made the safety of the pit was seriously endangered. The Bench asked if defendant would be allowed to work in the pit again? The overman replied certainly not. The Bench pointed out to defendant the helmousness of his conduct, and fined him 11. and costs.

At the Pennarth Harbour Company meeting, on Thursday (Mr. C. Bailey, M.P., in the chair), a dividend was declared at the rate of 5 per cent. per annum on debentimes, and at the rate of 4 per cent. per annum on debentimes, and at the rate of 4 per cent. per annum on debentimes, and at the rate of 5 per cent. per annum on debentimes, and at the rate of 5 per cent. per annum on debentimes, and at the trate of 5 per cent. per annum on the ordinary shares, Mr. Cartwright, the deputy-chairman, made a long address on the position of the company and a claim against Messrs. Smith, Knight, and Co., the ordinar contractors, of 100,000 f. on money expended in finishing the contract; to that Messrs. Smith, Knight, and Co. had made a counter claim for as great an amount, and that the greatest confidence. He pointed out the facilities possessed by Pennarth as a shipping harbour, referred to the benefits likely to accure to it from the laying down of the narrow gauge from the Eley Valley to Cardiff and Newport, and expressed his belief that the time would come when the shares in the company would be worth as much as the shares of the Taff Vale Railway. After some discussion the proceedings were brought to a close by the adoption of the usual vote of thanks to the Chairman.

The Liverpool Field Naturalists' Club and their friends visited Mostyn and Holywell on Saturday, when the party proceeded to the works of Messrs. Newton, Keates, and Co., where some of the most difficult and important processes of metal manufacture are carried on. Prominent amongst these are wire-drawing and shot-making. On arriving, the party were met by Mr. Hughes, then early all the first of the process of metal manufacture are carried to the Prominent amongst these are wire-drawing to the short of

REPORT FROM DERBYSHIRE AND YORKSHIRE.

SEPT. 6.—The works in the neighbourhood of Staveley and Ches-terfield continue in the same state of activity which have charac-terised them for some months, notwithstanding the general depresterised them for some months, notwithstanding the general depression of the iron trade in nearly every other part of the country. The demand for coal in the same district is brisk, and the Midland are taking large quantities to London and the South. The Sheffield trade is improving, and the winter promises to see business generally in a much healthier state than it has been for some time. There is a good enquiry for heavy steel goods, and the manufacturers of Bessemer continue busy. At the vast works at Penistone the manufacture of Bessemer steel continues very brisk, the capabilities of the company being fully equal to turn out 500 tons weekly. At the works on the Trent business is also good, and one or two furnaces will shortly be put in blast. From the same locality a large quantity of ironstone is being sent into Yorkshire and Lincolnshire. The puddlers and millmen at Elsecar have had little or nothing to do this week, owing to repairs, but at the adjoining works of the Messrs. Dawes, at Milton, a fair trade is being done, and matters are prothis week, owing to repairs, but at the adjoining works of the Mesers. Dawes, at Milton, a fair trade is being done, and matters are proceeding more smoothly than for some time past, there being little or ceeding more amounty than for some time past, there being fitter or no trouble about the working of the patent furnaces. The consequence is that the patentee, Mr. Wilson, is rapidly converting the old ones to his principle. The change will be a beneficial one, and in course of time will be appreciated by the men, when once their prejudice against new inventions has been overcome. The Coal Trade continues active in South Yorkshire, and all qualities find ready markets to London and the South. Silkstone and Barnsley house continues active in south foresine, and an quanties into easy markets to London and the South. Silkstone and Barnsley house coal is in good request, and a heavy tonnage is being forwarded by the Great Northern line. Engine fuel and slack for coke-making is in good demand, there being a brisk enquiry for the former for the Lancashire markets. A large tonnage is also being forwarded to Hull, Goole, and Grimsby for shipment to Holland and the North of Europe. The winter wagon rate by the Great Northern has just been Rusiness, has resumed its usual activity. gurope. The winter wagon rate by the Great Northern has just been commenced for the season. Business has resumed its usual activity at Darfield Main Colliery, and the company have just put down two 18-inch engines underground, so that they have been enabled to dispense with a number of horses.

It is expected that the extensive coal field of Lord Wharncliffe, at Carlton, on the Midland Railway, will shortly be opened out, and that ironworks in connection with the collieries will also be established. The estate is a large one, and the works will be amongst the largest in the district. The new shaft being sunk in Barnsley, to connect the one at the Warley Main Collieries, at Worsbro-dale, to connect the one at the warrey man connects the one at the warrey man connect the state of the water under. At Wenaby, also, where the large colliery is being sunk under the magnesian formations, the work is being rapidly proceeded with, and the shaft has been sunk to a depth of about 150 feet.

Messrs. Booth and Farrar are about to launch their Patent Coal-

Cutting Machine, which has been greatly improved since it was first pied. The patentees are sanguine that it will be in every way successful. It will shortly be tried, when the results will be duly given. The Thorne extension of the South Yorkshire Railway was intried.

The Thorne extension of the South Forkshire tailway was in-spected on Thursday, by one of the Inspectors of the Board of Trade, who wa accompanied by Mr. J. B. Henton, secretary, and Mr. Swettenham, the engineer The line was approved of, and the directors having fixed the opening for Sep-tember 10, a new route will be opened by this line between Liverpool, Manches-ter, and Grimsby, via the Trent and Auchoime Railway, and it will also connect the West Riding Line with the last-named port by a junction at Barpsiey Dene

On Monday the members of the local branch of the Miners' Na-On Monday the members of the local branch of the Miners Sational Association also held an open-air meeting at Wigan. A procession through the town was ascompanied by four bands of music, and the number of those present was about 3099. The principal address delivered was that of Mr. William Pickard, the miners' agent for the district, who reviewed the evidence given before the Committee of the House of Commons on the Mines Inspection Acts, especially so far as it referred to the neighbourhood of Wigan. At the close of the proceedings, a resolution was passed, to the effect that each lodge send a delegate to the next meeting of the Society, prepared to say whether the lodge recommends an immediate application for an advance of wages; and, if so, whether the increase solicited be 5 or 10 per cent. The resolution was adopted unanimously, amidst cries of "Go in for twopence in the shilling."

On Monday an out-door meeting of miners was held in Chesterfield. when great companies of collers and miners attended from Staveley, Grassmore, Binnington, and other colliery districts in the neighbourhood of Chester. neid. Previous to the commencement of business, the colliers and miners present, to the number of about 10,000, marched in procession through the principal streets of the town, accompanied by four or five brass bands. Arrived at

the place before-mentioned, where a temporary rostrum had been erected, the meeting was addressed by several of the leading men belonging to the National Miners' Association. The following resolutions were put and carried:—1. That were many the might mention that one of the objects of interest was at every man present pledge himself to foin the association.—2. That this meeting the many transport of the place of the p

the place before-mentioned, where a temporary rostrum had been erected, the meeting was addressed by several of the leading men belonging to the National Miners' Association. The following resolutions were put and carried "-1. That devery man present pledge himself to join the association.—2. That this meeting considers that eight hours are sufficient to be in the pit, and those present unantified the proper and honourable weight, and we unanimously resolve to work no more than eight hours per day.—3. That this meeting thinks 20 cwts. to the ton.

One of the largest gatherings of colliers which has probably ever been held in any part of the country came off on Monday at Barusley. Special trains were run from various parts of South Yorkshire, so that from an early hour the town was alive with music and processions of vast bodies of men. At 12 o'clock the great mass assembled in the Church-field, at which time there come from 10,000 to 12,000 persons present. A procession was formed, and preceded to the Beechfield grounds, where a public meeting was held. There were altogether 28 lodges or districts represented, all of which had handsome stik flags and banners, and the gathering altogether was of a most imposing character. The chair was taken by Mr. Normansell, and the principal speakers were Mr. Ward, Mr. G. Newton (Trades Council, Glasgow), Mr. W. Ward, Mr. Dronfeld (Sheffield), Mr. Holmes (Leeds), and Mr. Williams (Liverpool). The following resolutions were put to the meeting, and carried with the greatest enthusians.—1. That this meeting of the miners of South Yorkshire, having felt the benefits which arise from their being united to defend their interests—benefits which appear in their improved social position and the self-respect resulting therefrom, as well as the confidence inspired by the knowledge that they are protected by a powerful organisation—resolve to continue their efforts to extend the advantages of the association, and generally to uphold the interests of working miners.

2. That this meeting

REPORT FROM NORTH AND SOUTH STAFFORDSHIRE.

SEPT, 6.—There is no distinct change in the state of the Iron Trade. There is rather more doing than when the Bank rate of 10 per Trade. There is no distinct change in the state of the fron Trade. There is rather more doing than when the Bank rate of 10 per cent. acted as a drag on the commercial wheels; but orders are still scarce, and of small amount, and there is much more hope of improvement than real amendment. Still there is more doing, and buying and selling of pig-iron goes on rather brisker. The Hardware Trades are rallying steadily. The late alterations in the Canadian tariff are favourable to South Staffordshire and Birmingham, and the trade with that colony has been for some time good. It seems impossible that goods entering British North America at low duties can be kept from getting to desiring customers north of the great line of lakes. A few months ago information was given that the efforts of Mr. Dawes to penetrate the Permian measures had met with the first promise of success. As yet that has not advanced into perfect certainty, and there are still doubters; but Earl Granville, and others interested in the Lilleshall Company, not far from Wellington, in Shropshire, have, after four years' sinking near Priorslee, reached coal at a depth of 207 yards, having found a horizontal vein 6 ft. 3 in. thick, and there is every reason to believe that the other veins are near at hand.

201 yards, having found a horizontal vein 6 ft. 3 in, thick, and there is every reason to believe that the other veins are near at hand. This will add greatly to the area of the Shropshire field.

The Staffordshire Wheel and Axle Company, started to share the great profits such works have produced, had its first meeting on Friday.—Mr. W. Holliday, Chalrman of the directors, presiding. He gave a very satisfactory account of the working of the company, who have taken works at Spring Hill, near Birmingham, and is going on and enlarging its business. Great fortunes have been made in this trade at Wednesbury, and with good management no doubt there is amplefield for another works in the increasing demand for railway plant.

way piant.
South Staffordshire Waterworks Company half-yearly meets
sheld at Birmingham on Tuesday. The company is steadily increasing
nuc, which in the first half of this year was 12,000%, but heavy preshares keep down the dividend as yet to 4 per cent. It seems to be now

On Friday morning a miner was killed at the Groveland Colliery

rs. John Bagnall and Sons, noar Dudley, by a slip of coal. The decease d the pit was safe, but the "doggy" had not himself examined it. magnificent works of art produced by Mr. Baugh, of the Ena-The magnificent works of art produced by Mr. Baugh, of the Enamelled Ironworks, Bradford-street, Birmingham, are at present attracting much attention, and perfection has certainly been very nearly approached. Not content with the application of enamelling to signs and advertising boards of every description, he has applied his patent to the highest department of art, with a result which is most satisfactory. Mr. Baugh is now executing an order for the lining of the walls of some portions of the Kensington Misseum with large sheets of from enamelled with designs by Dr. Dresser. This fact is sufficient to mark the importance and value of the work now turned out from this establishment. Attention is now being given to the initiation of the old enamels. The practice of enameliling on copper was one of great difficulty, owing to the unequal contraction and expansion of the copper and enamel coating; it: consequence of this the works produced on copper rarely exceeded the size adapted for trinkets. By the process now practised by Mr. Baugh, an enamel can be produced almost to any size that a sheet of iron can be rolled. This enamel contracts and expands in the same proportion as the iron on which it is laid, and is so flexible that if the iron is bent in any direction no crack appears. In the show-rooms may be seen the wonderful variety of purposes to which the enamel may be put. ppears. In the show-rooms n which the enamel may be put.

THE EXPORT COAL TRADE.—The exports of coal (the expression including also einders and culm) from the United Kingdom experienced in July a slight check, having amounted to 870,092 tons, as compared with 881,635 tons in July, 1865, and 761,496 tons in July, 1864. The exports of our coal to France rose in July to 155,185 tons, as compared with 142,584 tons in July, 1865, and 92,166 tons in July, 1864. The exports of coal declined, however, in July to Sweden, Denmark, Prussia, the Hanse Towns, and Holland. As regards Russia, the deliveries remained almost stationary in July, but they increased to Spain, Italy, the United States, Brazil, and British India. In the seven months ending July 31, this year, the aggregate quantity of coal exported from the United Kingdom was 5,613,040 tons, as compared with 5,177,774 tons in the corresponding period of 1863, and 4,898,056 tons in the corresponding period of 1864. In these totals the exports to France figure for 1,074,124 tons, 928,702 tons, and 825,190 tons respectively. During the seven months ending July 31 the exports of English coal decreased to Prussia, Holland, and the United States; but they increased to almost every other country. The value of the coal exported from the United Kingdom in July was 437,2364, as compared with 414,2284 in July, 1865, and 355,7334. was 437,2367., as compared with 414,2287. in July, 1865, and 355,7337. in July, 1864. In the seven months ending July 31 the value of the coal exported from our shores was 2,855,4177., as compared with 2,468,6517. in the corresponding period of 1865, and 2,295,3777. in the corresponding period of 1864.

CHEMICAL NATURE OF CAST-IRON.—At the British Association meeting, Dr. Russell read a preliminary report, prepared by Dr. Matthleson, F.R.S., "On the Chemical Nature of Cast-Iron." Facts were quoted to show that the crystallised alloys of carbon and Iron do not prove the existence of chemical combination between them. In all probability, by altering the conditions of cooling, &c., crystais of iron containing various amounts of carbon night be obtained from the same sample of cast-Iron. Data were given to show that the alloys of Iron follow in some cases the same laws as other metals; and in order to see whether the assumption as to the chemical nature of cast-iron was correct it was proposed—i. To make some pure Iron.—2. To alloy the pure Iron with various amounts of carbon, and to test the physical and chemical properties of these alloys.—3, To alloy the pure Iron in different proportions with other metals and metalloids. From the foregoing considerations the author expected to be able to produce analogous alloys to Iron and carbon, with some other metals having the peculiar properties of cast-iron, steel, and wrought-Iron, and probably some may be found to be much better adapted for certain purposes than the alloys of carbon and iron; for instance, less liable to be crystalline by age, &c.—4. To alloy the pure iron with various amounts of carbon, and to be study their respective effects on the physical and chemical nature of cast-iron, and more especially on their influence on the solvent power of iron for carbon, and more especially on their influence on the solvent power of iron for carbon, and more especially on their influence on the solvent power of iron for carbon. It is intended to investigate carefully the action of ditute and strong acids on the various alloys of iron and carbon, in order to see how far and under what conditions the carbon is evolved as carburetted hydrogens. The experiments will be made upon a small scale, fusion taking place in one of Deville's oxyhydrogen furnaces, which gives an a CHEMICAL NATURE OF CAST-IRON .-- At the British Association

rage duration of Iron furnaces was only of about four or five years as a part of the wall was taken down for repairs, and he then had an apport of examining the whole of the furnace, and of ascertaining how it was that lasted so long. To his surprise, he found it lined with plumbago 30 thick, not by the manufacturer, but by the operations of nurre. This restricted to the carbon in the iron having been squeezed out; and trend the furnace was, probably, lined with plumbago. Efforts were being to get the furnace ready for an entire inspection on Saturday, but he was owing to many difficulties which had been met with, that they would not easeful. He thought they might congratulate themselves upon the prom Dr. Matthleson, that he would continue his researches.

HINTS TO EMIGRANTS-No. I. BY CHARLES S. RICHARDSON.

HINTS TO EMIGRANTS—No. I.

BY CHARLES S. HICHARDSON.

I have frequently seen in the Mining Journal some pretty seven strictures on the comparative advantages of foreign and home labeg, but more especially in relation to workmen coming to this country in most instances the several writers have taked on a one-sided view of formation. In the following remarks I propose to rectify this, by showing both sides of the question, at I propose to rectify this, by showing both sides of the question, and that those who may desire to leave the enjoyments and comfort of their native homes for the rial uncertainty, care, and toil of a foreign one, may not be deceived it, the flattering prospects and ordered to the side of the rial uncertainty, care, and toil of a foreign one, may not be deceived it, the flattering prospects and ordered to the side of the side o

CORNISH MINING-No. I.

PAST, PRESENT, AND PROSPECTIVE.

From time immemorial the county of Cornwall, "the rocky land f strangers," as quaint old Norden calls it, has been celebrated for of strangers, as quaint our Norden calls it, has been cerebrated in its mining, its vast underground treasures, and its hardy and skilful race of miners. Mining, both as a science and an art, has found historians of great accomplishments and earnest research in Mr. W. J. Henwood, F.R.S., Sir H. de la Beche, the late Mr. Joseph Carne, F.R.S., Sir Charles Lemon, Bart, F.R.S., and many others. Nor is its important of the contraction of the contracti Henwood, F.R.S., Sir H. de la Beche, the late Mr. Joseph Carne, F.R.S., Sir Charles Lemon, Bart., F.R.S., and many others. Nor is its importance and interest in anywise lessened in our own day, when we witness the pressure which has recently been borne by capitalists, and the indurance and fortitude called forth in the case of the working miner, in this county during the last twelve months. Fortunately for the general public, there is on record a mass of sound historical information on the state and progress of our tin and copper mines, which has greatly assisted us in the present enquiry. And yet it may surprise some when we state that within the memory of persons now living there was not raised in Cornwall 3000 tons of metallic tin per annum; whereas during the last year, notwithstanding the great depression of mining interest, Cornwall raised nearly 10,000 tons, worth 970,000.

These facts will become more palpable when we state that in 1770 Cornwall did not produce 300 tons of tin annually; indeed, excepting one year (1772), the quantity produced did not average this amount for twenty-six years. Again, leaving out the year 1788, the supply continued above 3000 tons for ten successive years and then, excepting 1804, it uniformly kept below that quantity for eighteen years longer—that is, from 1798 to 1815. For the twenty years, 1817-31, it reached 4000 tons, but was less than 4500 tons during eleven years; for three years of this period it was over 4500; one year, 5000; and in 1827, 555 tons. But what were the prices paid to the Cornish tinner during this period and how were they affected by the varying political events of the day? In 1746, the year in which the Scottish recellion was put down, tin was at 601 per ton. From 1750 to 1755, when the political horizon was undisturbed, price varied from 654, to 84; but during the first four years of the Seven Years and while Cilve and his compeers were creating a British Empire in the East, and Wolfe was making the British arms famous at Quebec, prices were town t

ton. From 1750 to 1755, when the political horizon was undisturbe varied from 654, to 848, ibut during the first four years of the Seven Yes and while Clive and his compeers were creating a British Empire in the I Wolfe was making the British arms famous at Quebec, prices went dow For the next seven years, singular to note, the price stood at the unifor of 694; but in 1775, when the disturbances began with our American of the went down to 531, 198. During the previous 13 years, from 1760 to 175 tin had begun to form an important item in the imports of Holland during that period it reached 457 tons per annum; the average import the 13 years being 377 tons. Two years afterwards English tin rose ton, and continued at nearly the same figure for six years; it then or and for the next four years stood at 701. exactly; it subsequently rose which it maintained two and a half years, after which it again fell to why this sudden fall of 141, per ton? From the most natural and causes—an increase of home produce to the amount of 500 tons, coupled importation of 542 tons into Holland from Banca, being an increased

why this sudden fall of 14t, per ton? From the most natural and simple of causes—an increase of home produce to the amount of 500 tons, coupled with an importation of 543 tons into Holland from Banca, being an increase of nearly 350 tons from that Island over the preceding year. The average price of this the 42 years ending 1787 was 46t, 66. 80.

Until about the year 1700 copper was dug from tin mines only, and was not sought for in separate mines. It was not until the year 1717, the date at which Sir Issae Newton, then in his 75th year, resigned his post as Master of the Mine, that copper money was first coincel from British copper, at 1534, be 16. 1471, per ton. Up to this period it had been necessary to import copper from swetant 18d, per 1bc, or 1684, per ton, in order to supply material for the English colagie. From 172s to 1735, 6000 tons of copper ore were raised annually from Considerations and great-grandfathers such to 1000 tons of copper. It may be a little starbither of the supply material for the starbithers and great-grandfathers when the Secutish rebels penetrated as far as Derby, when a man's broad cloth coat lasted 40 years, and his wife's best dres and linsey-woolsey skirt were worn from her marriage to her death, that als

66.

severe labour,

sizes of copper tea-kettles, saucepans, pots, and other culinary articles, rough and unhapply as they might be, were imported into this country from Hamburg and unhapply as they might be, were imported into this country from Hamburg and pushably as they might be, were imported into this country from Hamburg and gustantial and other parts of Germany; and even the brass pans used by the English burg and other parts of Germany; and even the brass pans used by the English burg and other parts of fermany; and even the brass pans used by the English burg and other the middle of the reign of our second George that the English spirit guild after the middle of the reign of our second George that the English spirit guild arter the middle of the reign of our second George that the English spirit guild arter the middle of the reign of our second George that the English spirit guild in the property of the mineral resources of their own country, and the guild been reduced before the end of 1772 to 1000, per ton, so that prices constantly had been reduced before the end of 1772 to 1000, per ton, so that prices constantly had been reduced before the end of 1772 to 1000, per ton, so that prices constantly had been reduced before the end of 1792 to 1000, per ton, but this year are we opper mines were rared according to supply and demand. The next year new copper mines were rared according to supply and demand. The next year new copper mines were rared and to the per cent. In the per season of 21 per cent. In the per was the result of minunderstanding which duction of 21 per cent. In the per was the result of minunderstanding which again the per per of the per per of the party so the per per of the per per of the pe

MINING NOTABILIA.

[EXTRACTS FROM OUR CORRESPONDENCE.]

EAST WHEAL LOVELL is looking well throughout, and, indeed, a will be sen by the manager's report this week, "the more it is opened on the nore permanent it looks," for important discoveries of the are daily expected, the different points to value are now even 160t. to 170t. per fathom. This

At East Basser they will commence driving the 130 west in about

At EAST BASSET they will commence driving the 130 west in about At EAST BASSET they will commence driving the 130 west in about At EAST BASSET they will commence of copper ore will be cut, looking at the fact that they went over 40 fathoms of ore ground in the 120, where it was chefy in the bottom of that level.

EAST CARN BREA.—This valuable mine is looking well: the lode improving, the sampling a good one, and the standard for copper rapidly going the sampling a good one, and the standard for copper rapidly going the sampling a good one, and the standard for copper rapidly going the sampling a good one, and the standard for copper rapidly going the sampling a good one, and the standard for copper rapidly going the sampling as the sampling of further the wide, worth full 4 tons, or 33t, per fathom, and looks promising for further improvement—a splendid-looking lode. There is a branch of ore coming in from the south side, which will fall in with the lode in a few feet further driving, when the sum of the sampling sampling the sampling over this mine sow happily dispelling, and this, like some other copper mines in Cornwall, shout to rap the double advantage of a higher standard for copper on lines and sum of the sampling sampling sampling the sampling sampling sampling the sampling sampling to the sampling the sampling to the sampling t

naing to be made.

SOUTH WHEAL LEISURE.—Reports upon this property by the st eminent mining authorities will be ready for circulation amongst the archolders in the course of a few days; meanwhile preparations are being also for the setting of the cross-cut driving south to intersect the tin Iode, accomplishment of which will probably make this already valuable property soud to none in the country.

made for the setting of the cross-cut driving south to intersect the tin lode, the accomplishment of which will probably make this aiready valuable property second to none in the country.

EAST WHEAL LOVELL, about one mile south of the renowned Old wheal Lovel, which during the last thirty years has returned upwards of 18,086, is at present deservedly creating much interest in the different markets, the prospects having become of a far more cheering character as its development has progressed. East Lovell has passed through various vickstudes, the prospects having become of a far more cheering character as its development has progressed. East Lovell has passed through various vickstudes, the prospects having management, being worked judiciously and economically. The sudden depreciation in the value of the shares a few months since, was attributable not to any failing off in the mine itself, but to the state of the markets, tin having been at such a very low figure.

GREAT WHEAL FORTUNE.—The prospects here are very encouraging, and those who have lately purchased shares have good reason to congratulate themselves on their investment. The unproductive ground has been got intough, and asplendid lode is now being opened up in the 114 and 126 fm. levels. In the 144 was the law of the share of the winess are now being sunk below this level, where the lode is worth 404, and 24, per fm. respectively. In the 126 west the end is within 10 fms. of where the lodes became productive in the 114, and this point will be reached in a very short time, and should the lode be cut rich, of which there is no doubt, the value of the property will be greatly increased. The district is undentable, and bearing in mind that at this depth Great Wheal Vor became so productive, it must be great future is in store for Great Wheal Fortune.

NORTH DOWNS.—It must be gratifying to the shareholders in this mine to find that the vigorous operations which have been carried on have at length resulted in a great future is in store for Great Wheal For

EAST RUSSELL.-Operations here are going on satisfactorily. is a good pile (asy), 20 tons, of rich ore, which they talk of making 30 tor tober. Important discoveries are expected at several points; the mine beld, and in a position for good results. There is water-power for all put. The call just made will, with the ore money, carry them on for some time.

GAS-LIGHT, DOCK, WATER-WORKS, AND INSURANCE COMPANIES. GAS-LIGHT, DOCK, WATER-WORKS, AND INSURANCE COMPANIES.

Mesers, W. L. Webb and Co. (Finch-lane), in their "Stock and Share Markets licular," say—"We have to record but few operations in gas shares during the stewer; however, although little business has been transacted, prices remain m. London and St. Katherine Docks stock has improved to 69, 70 (ex div.), sieness having been done last account at 66; there is every probability of a furrer is, as this stock is in moderate request. Cheisea Water-Works shares are quired after at about 28½ to 29, and East London have experienced but little improvement, remaining at 123, 124, with a few sellers on the market. In intrance shares the dealings were comparatively nominal."

-Of erysipelas, at the Cosmopolitan Hotel, San Francisco' Mr. William Региевск, the well-known civil and mining engineer. take Superior, and was agent of the Copper Falls and other mines. He dan arden to pride in his profession, and was an expert in all matters relating power and machinery for mines. He was eminently cosmopolitan in his test, having travelled in many lands on professional business, whereby he pitted a rare fund of information, which he applied with unobtrusive protest and discretion.

M.R. EDWARD BREWIS, having just returned from a tour in Paris and Northern France, will be most happy to receive particulars of Mining Companies in Cornwall, Devon, Northumberlahd, and Great Britain menerally, for a circular about io be issued, and which is now in preparation. Particulars to be sent early to 8, Warnford-court, Throgmorton-street, London. Banker, National Bank, Old Broad-street. nal Bank, Old Broad-stree Bankers, National Bank, Old Broad-street. All orders to Buy or Sell executed as usual.

M.R. JOHN BATTERS, STOCK AND MINING SHAREBROKER, 13, THROGMORTON STREET, LONDON, E.C.

MESSRS. WILSON, WARD, AND CO., STOCK AND
SHAREDEALERS,
16. UNION COURT, OLD BROAD STREET, LONDON, E.C.
Messrs, Wilson, Ward, and Co. are DEALERS in the FOLLOWING SHARES,
tmarket prices: Frontino and Bolivia Gold, Great Laxey, Caldbeck Fells, Penale and Lomax, New Meal Towan, and North Treskerby. Can recommend
to good mines for investment. Their fortnightly Circular may be had on aplication.

M.R. WALTER TREGELLAS, 122, BISHOPSGATE STREET WITHIN, continues to deal, at close market prices, in all good sound IVIDEND and PROGRESSIVE MINES, either for cash or the account.

COPPER SMELTERS.—WANTED, in America, TWELVE ENGLISH COPPER SMELTERS.—For further information, apply, by post, to "N 20," Liverpool Post-office.

TO IRONMASTERS, &c.—The ADVERTISER, who has had above twenty-five years' experience in the manufacturing of rails and erchant bars, is OPEN to an ENGAGEMENT as OUT-DOOR MANAGER; he also his own engineer. The highest references will be given.

Apply to "A. B.," Hill Side House, Long Ashton, near Bristol.

TO ALL INTERESTED IN MINES.—A METALLURGIST, having discovered a cheap and casy method of extracting the prectous metals from minerals, clays, &c., will, in order to further test the practicability of the discovery, ANALYSE, FREE OF CHARGE, any MINERALS, &c., supposed to contain such, upon a sample of not less than 7 lbs, weight (carriage paid) being sent to Mesors. ANDERSOS, BAKER, and Co., 66, Basinghall-street,

THE METAL TRADE,—A WELL-ESTABLISHED HOUSE in THE METAL TRADE.—A WELL-ESTABLISHED HOUSE IT AMSTERDAM, having good connexions with Metal Dealers and Manu facturers in Holland, would be glad to UNDERTAKE the SALE of METALS MACHINERIES, and TOOLS, upon commission, for first-rate houses in England References of the highest respectability are offered.—Address, "H. H.," prepaid poste restante, Amsterdam.

TO METAL BROKERS.—A Man of thorough practical experience in the Metal Trade is DESIROUS of OBTAINING an APPOINT MENT IN A METAL BROKER'S ESTABLISHMENT. Good references.—Apply "M.," 53, Elm-street, Roath, Cardiff.

TRON ORE AND IRONSTONE.—A GENTLEMAN, thoroughly acquainted with most of the English and Foreign Iron Ores, is DESIROUS of OBTAINING an AGENCY for the SALE of FIRST-CLASS QUALITIES, either on commission or otherwise. Unexceptionable references.—Address, in the first instance, to "Yield," care of Editor of the MINING JOURNAL, 26, Fleet-street, London.

A GENTLEMAN having an extensive connection with merchant manufacturers, and others, would be GLAD to UNDERTAKE the SAL of PATENTED ARTICLES or INVENTIONS, upon commission.—Apply tMr. W. T. RAWLE, patent and mining agent, 8, Small-street, Bristol.

WANTED, by the Advertiser, a young man, a SITUATION as ACCOUNTANT. Is conversant with mining and other accounts. No objection to go abroad. The highest testimonials as to character and ability.—Address, "B.," Post-office, Tavistock.

MANTED, a 70 in. cylinder ENGINE, with PITWORK, &c.
Address, with particulars and price, to Mr. THOMAS THOMPSON, Great
Laxey Office, 12, Old Jewry Chambers, London, E.C.

TO WAGON AND OTHER COMPANIES.—TO BE SOLD, BY PRIVATE TREATY, SEVERAL ACRES OF LAND, adjoining CONGLETON STATION, NORTH STAFFORDSHIPE LINE. Address, Mr. J. H. WILLIAMSON, Goldenhill, Stoke-upon-Trent. TO CAPITALISTS.—TO BE DISPOSED OF, BY PRIVATE CONTRACT, SPEARNE CONSOLS MINE SETT and MATERIALS, onsisting of a 26 in. cylinder PUMPING ENGINE, 20 in. WINDING ENGINE, 50 fins, of pitwork, skips, &c. With a moderate outlay this would probably secome a valuable property, being bounded by Botallack, Levant, Spearne Moor, and East Levant Mines.—For particulars, apply to Mr. James B. Coulson, bounded by Cornwall

TO CAPITALISTS, CONTRACTORS, &c.—TO BE LET, OR SOLD, a QUARRY of superior MILLSTONE GRIT, In NORTH WALES within 409 yards of a railway.—For particulars, apply to Messrs, Woodhouse and Jeffcock, Derby, or 11, Great George-street, Westminster, S.W.

TO RAILWAY CARRIAGE BUILDERS, AND OTHERS.—
TO BE DISPOSED OF, BY PRIVATE TREATY, a WORKS and LANT adjoining, having a siding to two principal railways, and water communication immediate possession can be given.—Apply, for further particulars, to "S. T.," MINING JOURNAL office, 26, Fleet-street, London.

FOR SALE, at WHEAL SIDNEY, PLYMPTON, a 56-inch cylinder STEAM PUMPING ERGINE, 10 ft. stroke in cylinder, and 9 ft. in shaft, with ONE BOILER, about 11 tons; also, 18-inch cylinder STEAM DRAWING ERGINE, with cage, complete.—Apply to Capt. W. EDWARDS, on the Mine.—Sept. 6, 1866.

DIVING BOAT FOR SALE, built of iron. Will hold 14 men and their tools, and remain down 12 hours. Has been employed in the Harbour Works of Cherbourg, Brest, and Havre, and will be found invaluable to Contractors for the making of Docks or laying foundations of Bridges.—For further particulars and drawings, apply to S. STEELE and Co., 90, Great Tower street London. E.C.

THE MINING JOURNAL.—COPIES of the MINING JOURNAL, from 1852 to end of 1865, in good condition, TO BE SOLE a bargain.—Offers to be sent to "A. B.," Mr. Cleaver, 18, Commercial-road, S.

TO BE LET, at LISKEARD, for three or six months, from 1st of November, a CONVENIENT HOUSE, well furnished, containing two sitting rooms, five bed rooms, and good kitchens. Within five minutes' walk of the station.—For particulars, apply by letter to "M. C.," Post-office, Liskeard

FOR SALE, the FOLLOWING SHARES:—100 Gwydyr Park 18. 6d., worth buying; 250 Dale, 3s. 10d.; 50 New Crow Hill, 13s. 6d.; 100 So. Callington, 22s. 6d.; 20 Gothic (fully paid), £2s; 150 Rossa Grande, 2s. 6d.; 20 Frontino, 8s. 6d.; 50 Prince of Wales, 22s.; 50 West Wheal Kitty.

Apply to Mr. R. EMERSON, 1, Pinner's-court, Old Broad-street, London.

Advice given on the sale and purchase of shares.

Eighteen years' experience in Cornwall and twelve in London.

SOUTH CALLINGTON MINE.—Mr. R. EMERSON begs to call take place, and as a spend investment in the considerable rise may soon the attention of his friends to this mine. A considerable rise nake place, and as a sound investment he thinks very favourably of it. 1. Pinner's-court, Old Broad-street, London.

WEST WHEAL KITTY.—MR. R. EMERSON has made him-self perfectly acquainted with the market for these shares. No one should act without his advice, either as Buyer or Seller. 1, Pinner's-court, Old Broad-street, London.

M. R. R. EMERSON is in a position to SUPPLY his friends with a FEW SHARES in a TIN AND COPPER MINE, situated near the celebrated St. Ives Consols (which, on an outlay of only 28 per share, has paid £490 10s. per share in dividends), and which he strongly recommends. A genticman who sent his own agent to inspect the property has taken one-half of the shares, and has allowed his agent's report to be printed, a copy of which Mr. EMERSON will be glad to forward to any intending purchaser.

1, Pinner's-court, Old Broad-street, London.

M ESSRS. C. THOMAS AND CO., CIVIL AND MINING ENGINEERING OFFICES.
POOLFOLD CHAMBERS, CHAPEL WALKS, MANCHESTER, AND REDRUTH, CORNWALL.

MR. J. P. ENDEAN, STOCK AND SHAREDEALER, BRITISH AND FOREIGN MINING AGENCY, OFFICES,—5, FINSBURY CHAMBERS, LONDON WALL, E.C., LONDON.

JOSEPH TAYLOR AND CO., FINANCIAL, MINING, AND GENERAL AGENTS, 17, CROSS STREET, MANCHESTER. DEALER in MINING and OTHER SHARES.

MR. G. D. SANDY, STOCK AND SHAREDEALER,
No. 48, THREADNEEDLE STREET, LONDON, E.C., TRANSACTS
BUSINESS IN EVERY DESCRIPTION of STOCK EXCHANGE SECURITIES,
MINING and FINANCIAL ENTERPRISES, at close market prices,
Correct Daily Price List may be had on application.
Money advanced to any amount on legitimate stocks and shares.
References exchanged.

MR. G. D. SANDY'S INVESTMENT C1RCULAR.— SPECIAL NOTICE.—*Vide* all hitherto published. 48, Threadneedle-street, London, E.C., Sept. 7, 1866.

MESSRS. McNEILL AND LONG, STOCK, SHARE, AND MINING DEALERS,
7, POPE'S HEAD ALLEY, LOMBARD STREET, E.C.,
Bankers: Alliance Bank.

Memorial to the late Nicholas Wood, Esq.

MEMORIAL TO THE LATE NICHOLAS WOOD, Esq. M EMORIAL TO THE LATE NICHOLAS WOOD, Esq.—
At a meeting of friends interested in promoting a memorial to the late Nicholas Wood, Esq., Thomas E. Forster, Esq., Chairman, it was resolved:—
That this meeting be adjourned, and that a public meeting of the coal trade and others be called, to be held on Saturday, the 15th September next, at Twelve of clock noon, in the Neville Hall, Newcastle, for the purpose of considering—first, the nature of the memorial; and to enter into a subscription for carrying the same into effect.

In the meantime, subscriptions will be received by—
R. P. EDGER, Hon. Treasurers.
J. BUSTIN.
J. BUSTIN.
Coal Trade Office, Newcastle-on-Tyne, August 18, 1866.

Miners' Association of Conveyal and Devonshire.

Miners' Association of Cornwall and Devonshire. M INERS' ASSOCIATION OF CORNWALL AND DEVONSHIRE.—The ANNUAL METTING of the association will be HELD at the POLYTECHNIC HALL, FALMOUTH, on MONDAY, the 17th inst., at Two o'clock P.M.

Persons desiring to read papers are requested to forward copies of them to the assistant secretary, Mr. C. LE NEVE FOSTER, Royal Institution, Truro.

Royal School of Mines.

ROYAL R O Y A L S C H O O L O F M I N E S.

JERMYN STREET, LONDON.

The SIXTEENTH SESSION will COMMENCE on MONDAY, 1st OCTOBER.

Prospectuses of the course of study may be had on application to the Registrar.

TRENHAM REEKS, Registrar.

LECTURES ON MINERALOGY AND GEOLOGY AT KING'S COLLEGE, LONDON, are given on WEDXESDAY and FRIDAY mornings from Nine to Ten, by Prof. TENNANT, F.G.S. Those on MINERALOGY begin on Friday, the 5th October, and terminate at Christmas: fee, £2 28. Those on GEOLOGY commence in January and continue till June. A shorter course of Lectures on MINERALOGY and GEOLOGY is delivered on Wednesday evenings, from Eight till Nine. These begin on the 10th of October, and terminate at Easter: fee, £1 11s. 6d. Mr. TENNANT accompanies his students to the public museums and to places of geological interest in the country.

R. W. JELF, D.D., Principal.

SOUTH WHEAL LEISURE—FOR SALE, from TWENTY to ONE HUNDRED SHARES, at \$1 10s, each.

NEW CLIFFORD—FIVE SHARES, at \$2 5s, each.

ST. BRIDE'S SLATE—FIFTEEN SHARES, at \$1 each.

Apply to "Executor," MINING JOURNAL office, 26, Fleet-street, London.

THE NEW CRIDDIS MINING COMPANY, in the parish of PADSTOW, CORNWALL. In 1200 parts or shares.—A FEW SHARES in this promising adventure may be had on favourable terms.—Apply to Capt. RICHARD RICH, of Bodmin, the agent; or to JAMES CARTER and Son, sharebrokers, Nottingham.

OTHIC MINE.—WANTED, FIFTY SHARES, at 45s. (fully paid up); or, state lowest terms for cash, and number of shares.—Address, "Speculator," MINING JOURNAL office, 26, Flect-street, London, E.C.

ARY ANN.—WANTED TO BUY, THREE SHARES, for cash.—Address lowest price to Mr. ISAAC CARTER, 4, South Moltonet, Hanover-square, London.

GREAT NORTHERN COPPER MINING COMPANY OF SOUTH AUSTRALIA (LIMITED).—Notice is hereby given, that the directors have MADE a CALL of SINYENGE PER SHARE on the shares of this company, payable at the Consolidated Bank, 52, Threadneedle-street, London, on or before Monday, the 8th day of October next.

1, Charlotte-row, City, London, Aug. 30, 1866.

T. HANCOCK, Manager.

CONNORREE MINING COMPANY (LIMITED).—Notice is hereby given, that an ORDINARY GENERAL MEETING of this company will be HELD at their offices, 33, Westland-row, Dublin, on SATURDAY, 15th inst., at One o'clock P.M., for the purpose of submitting the report of the directors and statement of accounts, from the 1st December, 1855, to 30th June, 1866; for the election of two directors and auditors; and for the transaction of the ordinary business of the company.

N.B.—The Transfer-books of the company will be closed from the 1st to the 15th inst., both days inclusive.

By order.

33, Westland-row, Dublin, Sept. 1, 1866.

M.B. D. STICKLAND, M.E., having had upwards of 40 years' mining experience in Cornwall, several years of which he has had the entire management of mines therein, enables him to GIVE GOOD ADVICE MINES INSPECTED and faithfully REPORTED ON. DEALER in MINING, RAILWAY, and OTHER SHARES. Temporary Offices, 5, Finsbury-street, London.

BRITISH AND FOREIGN INVESTMENT.—

MR. THOMAS SPARGO, STOCK, SHARE, AND MINING BROKER
224 and 225. GRESHAM HOUSE, OLD BROAD STREET, LONDON, E.C.,
TRANSACTS EVERY DESCRIPTION OF BUSINESS in the PURCHASE and
SALE of SHARES in BANKS, CANALS, MINES, RAILWAYS, BRIDGES,
INSURANCES, and ALL OTHER DESCRIPTIONS of BRITISH and FOREIGN
STOCK.

SALE of SHARES in BANKS, CANALS, MINES, RAILWAYS, BRIDGES, INSURANCES, and ALL OTHER DESCRIPTIONS of BRITISH and FOREIGN STOCK.

Mr. SPARGO has for sale shares in English mines paying from 12 to 20 per cent. upon the present price, in bi-monthly and quarterly dividends, as also a number of shares in good progressive mines, some of which he with confidence specially recommends to the public as sound investments.

Mr. SPARGO gives every information as to position and prospects of all mining undertakings, upon application, either personally or by letter, and is enabled, through his long experience, aided by his monthly visits to Cornwall, Devon, and Wales, to obtain the most reliable information as to the numerous mines in those districts. He will at all times give the best advice as to investments in mines, and, if necessary, inspect them himself; as in all cases he wishes to be guided by the intrinsic value of the property. Upon the receipt of 5s. he will furnish a selected list of dividend and progressive companies.

Mr. SPARGO has published the following works, viz.:—

Statistics and Observations upon the Mines of Cornwall and Devon, 1859—2s. 6d. Ditto ditto ditto 1869, price 2s. 6d. Ditto ditto ditto 1869, price 2s. 6d. Ditto ditto ditto 1869, price 5s. Ditto ditto ditto 1864, price 5s.

Ditto ditto ditto les64, price 5s.

Physical, Geological, and Parish Map of Cornwall. Scale, three miles to an inch. Printed in three colours, showing distinctly the mining districts, the height of the hills, &c. Price 10s. 6d., on cloth and rollers.

Geological Maps of the various mining districts, showing the boundary line of each mine, with the lodes, cross-courses, and elvan courses by which it is traversed. Price 2s. 6d. each.

A Model, or Relief, Map of Cornwall (6 ft. 6 in. by 5 ft), presenting the names of every town and village, as also every characteristic point of the county. Price 25 5s.

Dividends received, calls paid, and all orders promptly negociated.

Mr. SPARGO has 20 years' experience of mining, ten of whic

NOTICE OF REMOVAL.

M ESSRS. TREDINNICK AND CO., DEALERS IN STOCKS AND SHARES. MR. RICHARD TREDINNICK, MINING ENGINEER AND CONTRACTOR.

MR. THOMAS TREDINNICK, SCRIVENER.

OFFICES,-ST. MICHAEL'S HOUSE, CORNHILL, LONDON. The business hitherto conducted at 78, Lombard-street is transferred to the

Stocks, Shares in Banks, Railways, Canals, and Insurance Companies dealt in, and Money Advanced upon all sound Securities. Principals alone treated with.

TO MINE, SLATE QUARRY, AND RAILWAY ALGOMPANIES.—CAPT. C. WILLIAMS IS NOW OPEN TO UNDERTAKE ALL KINDS OF CONTRACTS, SHORING SHAFTS, CONSTRUCTING WATER COURSES, CANALS, TRAMWAYS, &c., and ERECTING ALL SORTS Of MACHINERY for MINING and OTHER PURPOSES, having on hand at all times a first-class staff of miners and machinists,

who will proceed to any part of the world upon the shortest notice.

N.S.—In all cases 30 per cent. will be left in hand until the work is complete.

Tyn.y.Wern, Tallesin, via Shrewsbury.

M. R. CHAS. BAWDEN, ST. DAY, SCORRIER, CORNWALL, having lately inspected several mines in the county, will be happy to ADVISE his CLIENTS before INVESTING, some of which are likely to rise cent. within the next six months, while others should be altogether avoided. per cent. within the next six months, while others should To secure good profits early application should be made.

MESSES, R. C. CLIFTON AND CO., SHAREBROKERS, ALDINE CHAMBERS, PRINCESS STREET, MANCHESTER.

Mines inspected, and reports furnished. The best practical advice given to capitalists as to investments in mining.

Bankers: National Provincial Bank, Manchester.

PATENTS AT HOME AND ABROAD.—INVENTORS desirous to SECURE INVENTIONS and DESIGNS by PATENT OR REGISTRATION, may obtain ADVICE and INFORMATION by applying to Mr. HENRY, Memb. Soc. Arts, Assoc. Soc. Eng., Consulting Patent, Registration, and Copyright Agent, 68, Fleet-street, London, corner of and entrance in Whitefriarsstreet. Technical translations effected. Drawings and lithographs prepared.

THE FINSBURY PARK FREEHOLD LANDED ESTATE AND BRICK-MAKING COMPANY (LIMITED).

orated under the Companies Act, 1862, whereby the Hability of each or is strictly limited to the amount of his Individual subscription.

Shareholder is strictly limited to the amount of its individual subscription.

Capital £60,000, in 6000 shares of £10 cach.

£3 per share to be paid on application, and £3 on allotment; and the remaining £4 at one month from date of allotment, making the shares paid-up in full, and leaving no further liability.

Should no allotment be made the deposit will be returned without any deduction whatever.

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MATTHEW GREENE, Esq., St. Michael's-house, Cornhill, London.
HENRY L. PHILLIPS, Esq., 32, New Broad-street, London, E.C.
JOHN LESLIE PILKINGTON, Esq., 2, Great James-street, Bedford-row.
(With power to add to their number.)
ARCHITECT and STEWEYOR—James Wagstaff, Esq., 176, Upper-street, Islington.
AUDITORS—Messrs. Edwards and James, 1s, King-street, Cheapside.
SECRETARY—John Russell, Esq.

OFFICES,-12, OLD JEWRY CHAMBERS, E.C.

PROSPECTUS.

PROSPECTUS.

This company has been formed for the purchase of a freehold estate in the neighbourhood of, and immediately facing, the Finsbury New Park, and also to manufacture bricks from the valuable deposit of plastic clay which covers its surface to a very considerable depth.

The estate, containing about 27 acres, is situated within 200 yards of the Seven Sisters Road station, on the Great Northern Railway, and is in the centre of a large building neighbourhood; it adjoins Highbury New Park on the south-east, and has a considerable frontage to the Seven Sisters-road on the north-west. The old Sluice House Tavern is on the property, and the fields and meadows have been the favourite resort of Londoners for many years past. It is unnecessary to speak of the enormous and increasing demand which has of late years arisen for bricks, and the great difficulty with which it has been met. It is notorious that all engaged in this manufacture are reaping large fortunes.

It is unnecessary to speak or the continuous and the great difficulty with which it has been met. It is notorious that all engaged in this manufacture are reaping large fortunes.

This manufacture is not an undertaking in which there is any hidden element to deal with—it has no speculative character; the calculations as to the operations are plain and simple, and the results as to profit easily deduced. At a rough estimate it may be stated that, supposing it advisable to use the brick earth to a depth of 6 feet only, the estate will produce upwards of two hundred millions (200,000,000) for bricks, which it is calculated will yield a net profit of 15s, per thousand (1000), or for the whole estate £150,000. There is no reason, however, why the brick earth should not be worked to a much greater depth—in fact, the deposit has been proved to a depth of 30 ft., and the number of bricks it would produce, were it considered desirable to continue the workings, is, therefore, almost incalculable. The earth has been thoroughly tested for brick-making, and the results are highly satisfactory.

A large portion of this estate is traversed by the New River. The vendors have agreed with the New River Company to divert the stream, and the valuable piece of elevated land, which now forms the bed of the river—consisting of little else but well-pudded clay—containing as it does the material for many millions of bricks, will belong to this company.

As a building site—surrounded by the charming neighbourhoods of Highbury, Canonbury, Hornsey, and Stoke Newington, and within site of Alexandra Park, and with a splendid frontage to the Finsbury New Park—it sunequalled. The drainage of the estate (a matter of vast importance) is excellent, the high level sewer crossing the property at a depth of 36 ft. from the surface.

When sufficiently worked for brick-making, the estate will let, as laid out, on building leases, and will bring in, at the lowest estimate, £3000 per annum, which, taken for freehold ground rents at 25 years purchase, w

£75,000.

Powers to increase the capital have been taken in the Articles of Association, should other elizible estates be met with.

An early application for shares is necessary, as the allotment will be made in strict accordance with priority of application.

Forms of application for shares to be had at the offices of the company, of the bankers, the directors, or the architect and surveyor.

FORM OF APPLICATION FOR SHARES.

MINING OFFICES, MANCHESTER.

THOMAS MOLYNEUX AND CO., MINE AGENTS AND
SHAREBROKERS, Reliable information can be obtained as to purchase

and sale of shares.

Offices of the Ellen United Copper and Zinc Mining Company (Limited), and Hazael Grove Silver-Lead Mining Company (Limited). THOMAS MOLYNEUX, secretary, 28, Princess-street, Manchester.

MANCHESTER, AND WEST END OF LONDON.

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INSTRANCE, AND GENERAL SHAREBROKER.

ROYAL INSURANCE BUILDINGS, KING STREET MANCHESTER; and INSTRANTANEOUS COMMUNICATION with the STOCK and MINING EXCHANGES, avoiding the delay and annoyance of visiting the City to ascertain prices.

A Monthly Investment Circular on application.

ROBERT LIBBY AND SON,
MINE SHAREDEALERS, &c., CAMBORNE, CORNWALL.

The time is fast approaching when Cornish mining will again resume its postion, and we now beg to call the immediate attention of capitalists to buy, as there are many mines just now in the county, if the shares are bought at once, which will soon realise cent, per cent, for their outlay; and being situated in the immediate neighbourhood, we shall be glad to give every information to parties who will favour us with an enquiry.

parties who will favour us with an enquiry.

MINES SPECIALLY RECOMMENDED for immediate purchase:—
Cook's Kitchen. South Crofty. New Lovell.

East Lovell. North Crofty. Wheal Trannack.

MR. GEORGE DARLINGTON, CONSULTING MINING WRENGINEER (Graduate of the Royal School of Mines), GROVE PARK, WRENHAM.—Mr. DARLINGTON IS OPEN to ACCEPT ENGAGEMENTS to REPORT UPON, MODEL, or ARRANGE MINES or MINING WORKS, and from his practical and varied experience in all kinds and classes of mines, both abroad and at home, especially on the Continent, in America, and in Australia, he can confidently offer his services to those who may require faithful reports or examinations of mining properties at home or abroad. Mr. Darlingstons speaks French and German fluently, and is acquainted with the mining laws of those countries.

ED LION HOTEL, TRURO.—An OLD-ESTABLISHED FIRST-CLASS FAMILY. COMMERCIAL, and POSTING-HOUSE. Very tor accommodation to Families, Tourists, Mining, and Commercial Gentle-Ladies' and Gentlemen's Coffee and Private Sitting Rooms. Omnibus to LANE DOBB. Proprietress.

HASKOLL'S FIELD-BOOK FOR ENGINEERS.

Just published, price 12s., strongly bound roan tuck, post free,

THE ENGINEER'S, MINING SURVEYOR'S, AND
CONTRACTOR'S FIELD-BOOK, FOR EXPEDITING FIELD-WORK
OPERATIONS. Being a Series of Tables with Rules and Notes.
By W. DAVIS HASKOLL, C.E.
"Much valuable time will be aved by reference to a set of reliable tables, prepared with the accuracy and fullness of those given in this convenient pocket volume."—Railway News.
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To hany once property of the new forms o

Now ready, price 5s., by post 5s. 4d.,

HE MINES OF CORNWALL AND DEVON:

STATISTICS AND OBSERVATIONS, for 1865.

By THOMAS SPARGO, Mining Engineer, Stock and Sharebroker,

Gresham House, Old Broad-street, London, E.C.

Plates, 8vo., cloth, price 10s. 6d., by post 11s.,

THE MINERS' MANUAL OF ARITHMETIC
AND SURVEYING.
By WILLIAM RICKARD,
Teacher of Practical Mining in the late Mining School of Cornwall, and Principal of the Engineering Academy, 36, Upper Parliament-street, Liverpool.
Truo: Heard and Son.—London: Longman and Co.; the office of the Mining
JOURNAL, 28, Floet-street; of the author, and of all booksellers.

In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall,

Stannaries of Cornwall.

In the MATTER of the COMPANIES ACT, 1862, and of the WHEAL SITHNEY AND CARNMEAL UNITED MINING COMPANY.—
TO BE SOLD, under the direction of the Registrar of the said court, BY PUBLIC AUCTION, on Monday, the 17th day of September next, at Eleven o clock in the forenoon, at WHEAL SITHNEY AND CARNMEAL UNITED MINES, in the parish of Sithney, within the said stannaries, either together or in lots, the MINE SETT or GRANT of the said company, and the undermentioned MINING MACHINERY and MATERIALS, viz.:—
ONE 69 in. cylinder PUMPING ENGINE, with TWO BOILERS 11½ tons each. ONE 24 in. STAMPING and WINDING ENGINE, with stamps axle and 16 heads of stamps, BOILER about 18 tons.
5 balance-bobs, 2 shears with shieves, 3 horse whims with pulleys and stands, 1 poppet head with about 40 fms. stands and pulleys, capstan with 12 in. capstan rope, 1 angle bob, 1 fend-off bob, 1 2 ft. 12 in, plunger pole with 13 in. pole case, stuffing box and gland, 1 9 ft. 12 in, plunger pole. About 180 fms. 3 in. wood flat-rods, with strapping plates, &c.; about 100 fms. 1½ and 1½ fron flat-rods, with pulleys; about 95 fms. 11 in., 9 in., and 6 in. main rods, 7 fms. 12 in. ditto, with 9 in. connection piece; about 195 fms. iron stave ladders, 2 knockers and lines, several fathoms wood air pipes, several fathoms bucket rods, 2 pairs of yokes, about 180 fms. fire whim chain, crab which and chain, 2 7-16 ths horse whim chains, several whims, horse whims and winze kibbles, 1 tram wagon, several cwts. old brass, and a large and valuable quantity of pumps, ladders, and other materials ing eneral use in mines.

The plant and machinery on the above mine are of a most valuable description. The materials may be inspected any time prior to the sale, on application to Mr. Rd. OLIVER, in charge thereof.

HODGE, HOCKIN, AND MARRACK, Solicitors, Truro. Dated Registrar's Office, Truro, August 30, 1866.

In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall.

IN the MATTER of the COMPANIES ACT, 1862, and of the WOODLEY LANE TIN WORKS MINING COMPANY.—TO BE SOLD, under the direction of the Registrar of the said Court, BY PUBLIC AUCTION, on Monday, the 24th day of September inst., at Eleven oclock in the forenoon, at WOODLEY LANE TIN WORKS MINE, parish of Llanivet, within the said Stannaries, together or in lots, the MINE SETT or GRANT of the said company, and the undermentioned MINING MACHINERY, MATERIALS, and EFFECTS, viz.:—ONE 24 in. STAMPING ENGINE, dy-wheel, and BOILER, complete; stamps, frames, iron and wood lifters and axies, water-wheels (with iron axies), several round buddles (complete), 240 ft. iron rods for working buddles, blocks, chain, launders and stands, 100 ft. 6 in. Iron pipes, large wheel-pulley, 6 tons of coals, bob-stands, 240 ft. iron rods, wagons, shovels, kieves, handracks, carpenters' bench and chests, miners' and smiths' tools, turning lathe, leather, hemp, safety-fuse, brass and hair bottom sleves, and tin hutch, with about 3¢ cwts. of tin. The pit-work, comprising 1½ mile of double tramroad iron, with oak posts and sleepers; lot of iron wire, old powder-house, &c.; gudgeons, launders, &c. Together with the account-house furniture, and a variety of other effects in general use at mines.

Futher information may be obtained on application to Mr. W. T. TRELEAYEN.

in general use at mines.

Further information may be obtained on application to Mr. W. T. TRELEAVEN, the bailing in charge thereof.

HOCKIN, AND MARRACK, Saledow, Tanasa,

HODGE, HOCKIN, AND MARRACK, Solicitors, Truro. Dated Registrar's Office, Truro, Sept. 6, 1866.

In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall.

IN the MATTER of the COMPANIES ACT, 1862, and of the WOODLEY LANE TIN WORKS MINING COMPANY.—By an order made by his Honour the Vice-Warden of the Stannaries in the above matter, dated the 22d day of August inst., on the petition of Thomas Marryn, of Wadebridge, within the said Stannaries, a creditor of the said company, it was ordered that the WOODLEY LANE TIN WORKS MINING COMPANY should be WOUND-UP by this Court under the provisions of the Companies Act, 1862.

HODGE, HOCKIN, AND MARRACK, Solicitors, Truro. Dated Truro, August 23d, 1866.

In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall.

PURSUANT to an Order made in the Cause of Down v. Collom, the CREDITORS in respect of CORNWALL GREAT CONSOLS MINE, in the parish of Calstock, within the said Stannaries, are, on or before Tuesday, the 18th day of September inst, to COME IN and PROVE THEIR DEBTS before the Registrar of the said Court, at his office in Truro, or in default thereof they will be peremptorily excluded the benefit of the said decree.

J. G. CHILCOTT, Truro

(Agent for E. Chilott, Plaintiffs' Solicitor, Tavistock).

Dated Registrar's Office, Truro, September 3, 1866.

In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall.

Stannaries of Cornwall.

IN the MATTER of the COMPANIES ACT, 1862, and of the WEST WHEAL PROSPER MINING COMPANY.—TO BE SOLD, under the direction of the Registrar of the said court, BY PUBLIC ACCTION, on Tuesday, 25th day of September inst., at Eleven o'clock in the forencon, at the WEST WHEAL PROSPER MINE, in the parish of Lianivet, within the said Stannaries, either together or in lots, the MINE SETTS or GRANTS of the said company, and the undermentioned MINING MACHINERY and MATE-RIALS, viz.:—ONE 30 in. ROTARY STAMPING ENGINE, with fly-wheel.

ONE 10 ton BOILER, 48 heads of stamps erected complete.

9 fms. 10 in. plunger pumps, 1 bob and main rod, 2 new iron stamps axles to draw 48 heads, 48 lifters and tongues, new dressing-floors, 16 ties from stamps with 2 hoppers, water-wheel, several round buddles complete, launders and stands, 1 large dressing shed, 2 racks, 8 tin dressing kleves and bottoms, 1 large tin hutch, long incline plane, with bridge rails and best sleepers; several cwis. of small iron screws, 500 or 600 fms. of wire-rope, and shieves for ditto; cage for leaving down tram wagons, 8 tram wagons, sundry cast-fron heads and tappets, old timber, barrows, miners' and blacksmiths' tools, new ironwork for creeting new stamps, &c., tot of new timber prepared for same, its new wagon wheels, new ironwork for tram wagons, about 3 tons of coal, a lot of new and old iron, and other articles, and account-house and office farniture.

Dated Registrar's Office, Turno, September 8, 1866.

In the Court of the Vice, Warden of the Stannaries.

In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall.

IN RE WHEAL CURTIS MINE.

TO BE SOLD, pursuant to an Order made in a Cause Matthews and Another v. Allen and Others, dated the 27th day of April, 1866, at the Registrar's Office, at Truro, on Wednesday, the 12th day of September, inst., at One o'clock in the afternoon,
4 (1090ths) PARTS or SHARES of the defendant Joseph Elliot Square Of and in the said MINE. CARLYON and PAULL, Truro and Inthe Said Mines, Carly Office, Plainting Solicitor, Camborne).

Dated Registrar's Office, Truro, Sept. 5, 1866.

Dated Registrar's Office, Truro, Sept. 5, 1866.

HIGHLY IMPORTANT SAI E OF MINING MACHINERY AT THE WHITE GRIT AND STAPLEY MINES, COUNTY OF SALOP,
Five miles from Bishop's Gastle, and six miles from the Minsteriety Branch on the Welshpool and Shrewsbury Railway.

M. R. W. BOUSTRED has been honoured with instructions to SELL, BY AUCTION, without reserve, on Tuesday and Wednesday. 11th and 12th September, 1866, the whole of the VALUABLE PLANT and MACHINERY on the above mines, comprising:—

50 inch cylinder CORNISH CONDENSING ENGINE, equal to new; 40 inch cylinder ROTARY ENGINE, capable of being worked up to great power, in excellent condition; and a capital 20 inch cylinder ENGINE, in good working order; if BOILERS, from 21 ft. long, 4 ft. diameter, to 37 ft. long, 6 ft. 4 in. diameter, the whole of them in good working order, having been only recently fixed; 229 fms. of plunging and drawing lifts, averaging from 5 to 16 in. bore, of various lengths, with working barrels, wind bores, H and door pieces complete; 200 fms. of red deal and iron rods; strapping plates and boits; 7 superior plunger poles, comprising 8 in., 9 in., two 11 in., 14 in., and two 16 in., all in excellent condition; duplex punching madine, 2 new capstans, 4 horse whims, cold hammered iron shafts and cranks, pulley wheels, T and travelling bobs; lifting screw, 14 ft. long, 3 in. diameter; 150 fms. plt ladders, 30 tons of cast and wrought from rails, iron saddles, 2 tons cast steel borers, 21 fms. of boring tools, large quantity of new and old iron, old lead, old brass, miners' and smiths' tools, anvils, vices, 4 pares of bellows, 3 whim ropes, 4 capstan ropes, 1000 fms. of B.B. crane chain, 3 winches, double and single blocks, new nails, boiler rivets, screw stocks and dies, oil, candles, greese, safety fuse, powder, and a large quantity of other effects, described in catalogues to be had, 10 days previous to sale, of Captain Little.

ABSOLUTE SALE.—TO CAPITALISTS, COLLIERY PROPRIETORS, &c.

ABSOLUTE SALE.—TO CAPITALISTS, COLLIERY PROPRIETORS, &c.

M. R. JOHN M. LEEDER is instructed by the mortgagee in possession to OFFER FOR SALE, BY PUBLIC AUCTION (subject to such conditions as shall then and there be produced), on Tuesday, Sept. 18, 1866, at the Mackworth Arms Hotel, Swansea, the VALUABLE COLLIERY and COAL FIELDS, containing 360 acres or thereabouts, known as the KILLAN COLLIERY and COAL FIELDS, situated in the Dunvant Valley.

The property contains 10 seams of highly bituminous coal, fit for house, gas, and smith's purposes. The colliery is now opened on three of the seams, and capable of a large daily output. A branch and siding, together with necessary tips, and connection with the Dunvant Valley Railways, being complete.

The colliery is well provided with steam-power and pumping apparatus, in excellent working order, with all necessary trams, rais, and other plant for working a large quantity of coal.

The above offers a rare opportunity for a safe investment; the transit of the coal to the ports of Swansea and Lianelly (for which there is a readysale) being very easy by narrow-gauge railway.

Sale to commence at Three o'clock in the afternoon.

oal to the ports of swamses and Lianetty (for which there is a readysale) being erry easy by marrow-gauge railway.

Sale to commence at Three o'clock in the afternoon.

Two detailed reports have been made by Joshua Richardson, Esq., and David Jewellyn, Esq., showing the extent and prospective value of the colliery, which an be perused on application.

For further particulars apply to Richard Jenkins, Esq., Solicitor, Goattreet, Swansea; or to the Aughoneer, at his offices, Commercial Sale Rooms, 6. Corraters, Swansea.

street, Swansea; or to the 16, Caer-street, Swansea,

CAST WHEAL GRYLLS MINE—MACHINERY, PITWORK, &c., FOR SALE.—TO BE SOLD, all the excellent MACHINERY, PITWORK, WORK, and MATERIALS in and upon the Mine, as they now stand, lot. TENDERS for the same will be RECEIVED up to WEDNESDAY, 12th lot. TENDERS by Mr. W. WATSON, 27, Athenaeum-street, Plymouth. For viewing the same apply to Capt. Rogens, on the Mine, near Marazion, Corrwall the same apply to Capt. Rogens, on the Mine, near Marazion, Corrwall

WHEAL GRYLLS MINE—MACHINERY, PITWORK, &c., and MATERIALD in and upon the Mine, as they now stand, in one lot. Tex. DERS for the same will be RECEIVED up to WEDNESDAY, 12th September, by Mr. W. WATSON, 27, Athenseum-street, Plymouth; or Mr. J. H. MURGHISON, &c., authority is a considerable with the constant of the same will be RECEIVED up to WEDNESDAY, 12th September, by Mr. W. WATSON, 27, Athenseum-street, Plymouth; or Mr. J. H. MURGHISON, &c., authority is, London. For viewing the same apply to Capt. Rogens, on the Mine, near Marazion, Cornwall.

GREAT WHEAL GRYLLS MINE—MACHINERY, PITWORK &c., FOR SALE.—TO BE SOLD, all the excellent MACHINERY, PITWORK, and MATERIALS in and upon the Mine, as they now stand, in one lot. TENDERS for the same will be RECEIVED up to WEDNESDAY, 12th September, by Mr. W. WATSON, 27, Athenœum-street, Piymouth; or Mr. J. H. MURCHISON, A austintriars, London. For viewing the same apply to Capt. ROGERS, on the Mine, near Marazion, Cornwall.

LAST WHEAL VOR MINES—MACHINERY, PITWORK, &c., FOR SALE.—TO BE SOLD, all the excellent MACHINERY, PITWORK and MATERIALS in and upon the Mines, as they now stand, in one lot. TEST DERS for the same will be RECEIVED up to WEDNESDAY, 12th September, by Mr. W. WATSON, 27, Athenœum-street, Plymouth; or Mr. J. H. McRechison, S. Austinfriars, London. For viewing the same apply to Capt. Poladro, on the Mines, near Helston, Cornwall.

CWM RHAYADR MINE LEASE AND PLANT TO BE DISPOSED OF.—Immediate possession can be given. There are several lead ore veins traversing the estine.—Further particulars can be obtained, and to treat, to "H. D.," Post-office, Ruabon, North Wales.

VALUABLE MINERAL PROPERTY, known as ESTEDDFOD, in the parlsh of MINERA, in the county of DENBIGH.—TO BE SOLD, BY PRIVATE CONTRACT, an UNDIVIDED MOIETY in the above valuable PROPERTY, MINES, and MINERALS, called or known as ESTEDDFOD, containing a surface area of 152 acres, or thereabouts. The property contains very valuable deposits of carboniferous limestone, which is extensively used as a flux in the reduction of iron ore, as well as for agricultural purposes. It also abounds in rich lead and associated minerals, as the main lodes proved so extensively in the great Minera Mines (which adjoin the property on the south) pass through the Esteddfod Estate. Coal for engine and other purposes is raised in the insendince district. Railway accommodation is also convenient, as the property on the district. Saliway accommodation is also convenient, as the property of the ference to the minerals, has been made by a practical mining engineer, whose report may be inspected. With good management, and under a careful inspection, this will become one of the most valuable properties in the district. For further particulars, apply to HENRY BECKETT, Esq., F.G.S., Minling Engineer, Wolverhampton; or to ROBERT SOLE LINGWOOD, Esq., Solieltor, No. 7, Promenade-place, Clarence-street, Cheltenham.

**T. F.A.D. M.I.N.E.—FOR SALE, RY PRIVATE CONTRACTS.

LEAD MINE.—FOR SALE, BY PRIVATE CONTRACT, the LEASE. PLANT, and MACHINERY of TEES SIDE MINE, near ALSTON, CUMBERLAND. This sett is very extensive, and is traversed by several powerful velns; from one of them 1000 tons of lead ore has been raised from a shart 20 fms. deep, and on a length of ground about 50 fms. in extent, at 1.7th dues. The dues are now 1.20th. Lodgings for miners, workshops, stabling, &c., are all in order for immediate operations. The agent on the mine will show the property; and for other particulars apply to Messrs. HOYLE, SHIPLEY, and HOYLE, Solicitors, Newcastle-on-Tyne; or Messrs. HILL and HOYLE, No. 121, Cannon-street, London.

CTEAM ENGINES FOR SALE:—60-inch PUMPING ENGINE equal beam, 10 ft. stroke, with TWO 10-ton BOILERS; 36-in. CYLINDER SINGLE-ACTING ROTARY ENGINE, 14 ton fly-wheel, with 9 ton BOILER; 13-inch CYLINDER DOUBLE-ACTING ROTARY ENGINE, with drawing gear, whim cage, and 7-ton BOILER, the whole in good condition, to be seen at Kelly Bray Mine, Callington, Cornwall.—For further particulars and price, apply to Mr. EDWARD KING, 22A, Austinfriars, London.

FOR SALE,—A SECOND-HAND PORTABLE OR TRACTION STEAM ENGINE, of 7-horse power; has reversing gear; with or without pit winding drum.—Apply to Barrows and Carmichael, Portable Engine Works, Banbury, Oxon.

PORTABLE STEAM-ENGINES (SECOND-HAND) FOR SALE.

—TWO 20-horse, by Robey, of Lincoln; TWO 10-horse, by Clayros,
SHUTTLEWORTH, and Co., and a 6-horse; also a 10-horse RETURN FLUE ENGINE; and also FOUR OTHER ENGINES, out of repair, which will be disbosed of at a moderate price.—For particulars, apply to Mead and Co., No. 2,
King's Bench-walk, Temple, E.C.

Ring's Bench-waik, Temple, E.C.

REAT DISCOVERY IN BORING AND BLASTING,

AT THE DEVON GREAT CONSOLS COPPER MINES.

Mr. ABEGG is NOW CONDUCTING the TRIAL of PATENTED BORING and BLASTING MACHINES. Up to the present time the trial has proved most satisfactory. In killas, intermixed with veins of quartz, the boring machine bores holes of 2½ in. diameter 3 ft. deep in three-quarters of an hour, by one man. The holes are blasted with electricity. The charge of powder is mixed with sawdust, three-quarters of the latter to one-quarter of the former; the saving of the powder is thereby three-fourths. The quantity of powder used is the same as for a small hole, but from the size of such a large hole the effect of breaking is three or four times more at one blast.

Any further particulars as to the price of the machine, &c., may be obtained by application to Mr. RICHARDS, Crosby House, 98, Bishopsgate-street, London; or to Mr. ABEGG, at Devon Great Consols Mine, where the machines will be used in the 130 cross-cent during the next fortnight.

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VALVES-for Marine and Land Engines' Steam Packing, sheet or roll.
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DELIVERY AND SUCIAL ASSESSMENT OF MACHINERY AND SUCIAL ASSESSMENT OF A BLOCK OF A BLOCK

WILLIAMS'S PERRAN FOUNDRY COMPANY,
PERRANARWORTHAL, CORNWALL.
MANUFACTURERS of STEAM PUMPING and EVERY OTHER KIND of
ENGINES, together with BOILERS, PUMP CASTINGS, and MINING TOOLS
of every description, of the very best quality. Estimates given for the supply
any amount of machinery.
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Swan Rope Works.

A R N O C K, B I B B Y, A N D C O,
CHAPEL STREET, LIVERPOOL,
WIRE ROPES for MINNIG, BALLWAY, and SHIPPING PURPOSES.
MANULLA BOPE of SUPERIOR QUALITY, FIFTY PER CENT. STRONGER
and THIRTY PER CENT. CHEAPER than Russian hemp rope.
WIRE ROPE of FIRST QUALITY WIRE, and the HIGHEST STANDARD
of STRENGTH.

NOTICE.—CAPT. S. M. RIDGE, of LLANIDLOES, Mines, and others, in Shropshire and Wales, is NOW OPEN to INSPECT and faithfully REPORT UPON ANY LEAD MINE in either of these localities that may be confided to his care, having had better than 30 years' experience in lead mining, as miner and agent.—Address, Capt. S. M. RIDGE, Llandloes, Montgomeryshire.

CAPT. JOHN ROBERTS, who has just returned from Brazil, and who has spent eighteen years in gold mining in Brazil, New Grandia, &c., now Offfers himself to INSPECT any MINES in orout of Great Britain. Capt. ROBERTS would have no objection to a permanent situation.—Address, Hetel, Schull, co. Cork, Ireland.

CAPT. J. RABEY OFFERS FOR SALE FIFTY SHARES, at the nett price of £3 per share, in the CAI-R-PANT MINE, joining the great Minera Mine, and one of the best prospects in the district, being all whole ground, and the mine paying for itself now at the shallow depth of 40 yards.—Address, Capt. J. Rabey, Coedporth, near Wrexham, Denbighshire, North Wales.

CAPT. RICH, BODMIN, CORNWALL, being in the centre of the mining districts of Devon and Cornwall, and having had 25 years' experience in the management and inspection of mines, OFFERS HIS SERVICES to INSPECT And REPORT on MINES in either of the above counties. Orders promptly attended to.

PAILWAYS AND MINES.—Capitalists who seek safe and profitable investments, free from risk, should act only upon the sounder information. The market prices for the day are for the most part governed by the immediate supply and demand, and the operations of speculators, without reference to the bona fide merits of the property. Ballways depend upon the traffic, expenditure, and capital accounts, the probabilities of alliance or competition with neighbouring companies, the creation of new shares, the state of the Money Market as affecting the renewal of debentures, and other considerations founded on data to which those only can have access who give special attention to the subject. Mines afford a wider range of profit than any other public securities. The best are free from debt, have large reserves, and pay dividends bi-monthly varying from £10 to £15 per cent. per annum. Instances frequently occur of young mines rising in value 400 or 500 per cent. But this class of security, more than any other, should be purchased only upon the most reliable information. The undersigned devote special attention to Rallways and Mines, afford every information to capitalists, and effect purchases and sales upon the best possible terms. Thirty years' experience in mining pursuits justifies us in offering our advice to the uninitiated in selecting mines for investment.

MESSIS. TREDINNICK AND CO., ST. MICHAEL'S HOUSE, CORNHILL, LONDON,

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NICHOLLS, MATHEWS, AND CO., ENGINEERS, BEDFORD IRONWORKS, TAVISTOCK.

MANUFACTURERS OF STEAM ENGINES OF EVERY DESCRIPTION, made on the BEST and NEWEST PRINCIPLES. We beg more especially to call the attention of the public to the MANUFACTURE of our BOILERS, which have attention of the public to the MANUFACTURE of our BOILERS, which have been tested by most of our leading engineers. PUMP WORK CASTINGS of EVERY DESCRIPTION, both of brass and iron. HAMMERED IRON and EVERY DESCRIPTION, and Warranded. MINERS' TOOLS and RAILWAY WORK of EVERY DESCRIPTION.
ALL ORDERS FOR ABROAD RECEIVE their BEST ATTENTION. NICHOLLS, MATHEWS, and Co. have had 20 years' experience in supplying machinery to foreign mines, and selecting experienced workmen to creet the same, wherever. Nicholls, MATHEWS, and Co. have always a LARON.

where required.
Messrs. NicHollis, MATHEWS, and Co. have always a LARGE STOCK of
Messrs. NicHollis, MATERIALS in stock, and at moderate prices.

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ENGINEERS, IRON AND BRASS FOUNDERS,
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CHAINS, SHOVELS, EDGE TOOLS, AND EVERY DISCRIPTION OF CAST AND HAMMERED IRON FOR MINING, MANUFACTURING,
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Machinery sent to all parts of the world.
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MANUFACTURERS of RAILWAY CARRIAGE, WAGON, and CONTRACTORS' WHEELS and AXLES, and other IRONWORK, used in the CONSTRUCTION of RAILWAY ROLLING STOCK.
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3 and 4, EXCHANGE BUILDINGS, BIRMINGHAM.

C OAL CUTTING MACHINE.

The WEST ARDSLEY COMPANY having, by recently patented improvements, perfected their coal cutting machinery, worked by compressed air, are NOW READY to MAKE CONTRACTS for the CONSTRUCTION and USE of their MACHINES.

their MACHINES.

The results of twelve months' experience in the working of these machines, by the West Arabley Company, have proved most-satisfactory, their use being found to CHEAPEN the COST and IMPROVE the average SIZE of the COAL, to LIGHTEN the LABOUR, and also to MODIFY the SANITARY CONDITION of the MINE.

of the MINE.
All communications to be made to Messrs. FIRTH, DONNISTHORPE, and BOWER, No. 8, Britannia-street, Leeds.

NOTICE.—The WEST ARDSLEY COMPANY, having reason to believe that their patents are being infringed upon, hereby give notice that they will TAKE LEGAL PROCEEDINGS AGAINST ALL PARTIES who may MAKE FOR SALE, or USE ANY MACHINERY in the construction of which any such INFRINGEMENT is MADE.

IMPROVED APPLICATION OF WATER-POWER.

THE TURBINE.—MAC ADAM BROTHERS AND CO.,
ENGINEERS, SOHO FOUNDRY, BELFAST, have been engaged for
fitten years, with complete success, in MANUFACTURING their IMPROVED
TURBINES, and can recommend them with confidence.
This machine is applicable to all practicable heights of fall and quantities of
water, giving a much higher percentage of power than any other description of
water-wheely.

water-wheels.

On low falls it has the additional advantage of not being affected by floods or backwater, and it is particularly well adapted for any falls where the quantity of water is variable.

Further particulars on application, also references to turbines now at work on a great variety of falls.

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SAFETY FUSE MANUFACTURERS,
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This patent pump is the MOST EFFICIENT in existence for LIFTING ANY QUANTITY of WATER from ANY DEPTH. One lifting from a depth of 170 ft. may be seen at work daily, on application to the SOLE LICENSEES,

MESSRS. J. JACKSON AND CO., ENGINEERS, 17, GRACECHURCH STREET, LONDON, E.O.,

Who SUPPLY PUMPS and LICENCES.

Communications to Mr. Bustier, the patentee, to be sent to the same address.

AGENT FOR THE COUNTIES OF NORTHUMBERLAND AND DURHAM, YORKSHIRE

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Invested capital and reserve fund, £50,000,
Annual Payment of £2 to £6 6s, secures £1000 in case of Death, or £6 per
week while laid up by Injury.

For particulars apply to the Local Agents, at the Railway Stations, and
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SALOM'S NEW OPERA and FIELD GLASS, and the "RECONNOI FERER" GLASS, price 10s. 10d., sent free.—This Tourists" is Payounity, through extraordinary division of labour, distinctly shows small windows 10 miles off, landscapes at 30 miles, Jupiter's moons, &c.—The Marquis of Carmartien. "The reconnoiterer is very good."—The Earl of Breadalbars: "I find it all you say, and wonderfully powerful for so very small a glass."—Earl of Cartinness: "I find it all you say, and wonderfully powerful for so very small a glass."—Earl of Cartinness: "I find it all you say, and wonderfully growerful for so very small a glass."—Earl of Cartinness: "I for Savings."—Rev. Lord Scarsbalk "approves of it."—Lord Giffond, of Ampiney: "Most useful."—Lord Garvagh: "Remarkably good."—Sir Digny Cayley, of Brompton: "It gives me complete satisfaction, and is wonderfully good."—Sir W. H. Fielden: "I do not think it can be surpassed; it gives great satisfaction."—Capt. Sender, Nexules, of Farnley Hall, Esq.: "I never before, although I have tried many, met a glass combining so much power for its size with so much clearness."—The Field: "We have carefully trie! It at 800-yard rifle range, and found it fully equal to any of those present, alto-uigh they had cost more than four times its price."—Notes and Questies: "What intending tourists will now start without such an Indispensable companion?" The celebrated HYTHE GLASS shows builet-marks at 120-yards, and men at 3½ miles; price, 31s. 6d. All the above, respectively bearing the registered tradomarks, "Salom," "Recomoliterer," and "Hythe," are only to be had direct from Salom and Co., 98, Princess-street, Edinburgh, and 137, Regent-street, London, W.

A few hours will carry a glass to aimost the remotest town in the United Kingdom,

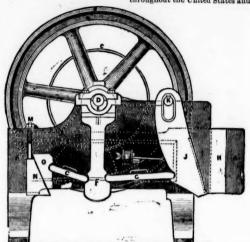
IMMENSE SAVING OF LABOUR.

TO MINERS, IRONMASTERS, MANUFACTURING CHEMISTS, RAILWAY COMPANIES, EMERY AND FLINT GRINDERS, MCADAM ROAD MAKERS, &c., &c.

BLAKE'S PATENT STONE BREAKER. OR ORE CRUSHING MACHINE,

FOR REDUCING TO SMALL FRAGMENTS ROCKS, ORES, AND MINERALS OF EVERY KIND.

It is rapidly making its way to all parts of the globe, being now in profitable use in California, Washoe, Lake Superior, Australia, Cuba, Chill, Brazil, and throughout the United States and England. Read extracts of testimonials:—



The Parys Mines Company, Parys Mines, near Bangor, June 6.—We have had one of your stone breakers in use during the last twelve months, and Captain Morcom reports most favourably as to its capabilities of crushing the materials to the required size, and its great economy in doing away with manual labour.

For the Parys Mining Company, JAMES WILLIAMS.

H. R. Marsden, Esq.

Ecton Energy Works, Manchester.—We have used Blake's patent stone breaker made by you, for the last 12 months, crushing emery, &c., and it has given ever satisfaction. Some time after starting the machine a plece of the moveable jaw, about 20 lbs. weight, chilled cast-iron, broke off, and was crushed in the jaws of the machine to the size fixed for crushing the emery.

H. R. Marsden, Esq.

Thos. Goldsworthy & Sons.

Alkali Works, near Wednesbury.—I at first thought the outlay too much for so simple an article, but now think it money well spent. William Hunt.

Welsh Gold Mining Company, Dolgelly,—The stone breaker does its work admirably, crushing the hardest stones and quartz.

WM. DANIEL.

Our 15 by 7 in. machine has broken 4 tons of hard whinstone in 20 minutes, for fine road metal, free from dust.

Messrs. ORD and MADDISON, Stone and Lime Merchants, Darlington.

Kirkless Hall, near Wigan.—Each of my machines breaks from 100 to 120 tons of limestone or ore per day (10 hours), at a saving of 4d. per ton.

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BRITISH MINES WITH DIVIDENDS IN ABEYANCE.

Craddock Moor, c, St. Cleer				7 12	0 0	4	0June, 1865
Bryn Gwyn, /, Mold*	9 0 0			3 3	6 (13	6. Ang. 1865
Clifford Amalgamated, c, Gwen	31 0 0	1216 13 14					
Kast Carn Brea, c, Redruth	3 15 0	318 . 216 236					
Mining Co. of Ireland, c. l. cl	7 0 0			19 18	11. 6	16	1. July 1865
New Birch Tor and Vitifer Cons. t				0 13	0 0	9	0. Oct 1865
West Basset, c. Illogant							
Wheal Exmouth, I. Christow		-					
Wheal Mary Ann. / Menheniott		7 537 617					
Wieklow c Wicklows		993/ 94					
	Craddock Moor. c, St. Cleer Bryn Gwyn, I, Mold* Cifford Amalgamated, c, Gwen East Carn Brea. c, Redruth Mining Co. of Irelana, c, I, cl New Birch Tor and Vitifer Cons. t West Basset, c, Illogant Wheal Expouth, I, Christow Wheal Mary Ann, I, Menheniott Wicklow, c,	Bryn Gwyn, I, Mold* 9 0 0. Cifford Amalgamated, c, Gwen. 31 0 0. East Carn Brea, c, Redruth. 3 15 0. Mining Co. of Ireland, c, I, d. 7 0 0. New Blrch Tor and Vitfer Cons. t 1 6 6. West Basset, c, Illogaut. 1 10 0. Wheal Exmouth, I, Christow 8 0 0.	Bryn Gwyn, l, Mold* 9 0 0. Cifford Amalgamated, c, Gwen. 31 0 0. 12½6. 13 14 East Carn Brea, c, Redruth. 3 15 0. 3½ 2½ 2½ Mining Co. of Ireland, c, l, cl. 7 0 0. 7 New Blrch Tor and Vitfer Cons. t 1 6 6. 8 West Basset, c, Illogaut. 1 10 0. 9 Wheal Exnouth, l, Christow 8 0 0. 7 534 614	Bryn Gwyn, I, Mold* 9 0 0 - 20 0 - 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Bryn Gwyn, l, Mold* 9 0 0. 3 3 Cifford Amalgamated, c, Gwen. 31 0 0. 12½ 13 14 35 6 East Cara Brea, c, Redruth. 3 15 0. 3½ 2½ 2½ 0 5 0 5 Mining Co. of Ireland, c, l, cl. 7 0 0. 19 18 New Blrch Tor and Vitfer Cons. t 1 6 6. 0 13 West Basset, c, Illogau† 1 10 0. 26 14 Wheal Exnouth, l, Christow Wheal Mery Ann, l, Menheniott. 8 0 0. 7 534 614 59 17	Bryn Gwyn, I, Mold* 9 0 0 - 2 3 5 6 0 Cifford Amalgamated, c, Gwen. 31 0 0 . 12½ 13 14 35 6 0 . 0 Kast Carn Brea, c, Redruth. 3 15 0 . 3½ 2½ 2¾ 0 5 0 0 0 0 Mining Co. of Ireland, c, l, cl. 7 0 0 0 0 0 New Blrch Tor and Vitfer Cons. t 1 6 6 0 0 West Basset, c, Illogant. 1 10 0 0 0 Wheal Expouth, t, Christow 26 14 0 0 Wheal Mery Ann, t, Menheniott. 8 0 0 0 7 554 6¼ 59 17 6 0	Bryn Gwyn, I, Mold* 9 0 0. 3 5 6. 0 13 Cifford Amalgamated, c, Gwen. 31 0 0. 12½ 13 14 35 6 0. 0 10 East Carn Brea, c, Redruth. 3 15 0. 3 2 2 2 2 4 0 5 0. 0 5 0 5 0. 0 5 Mining Co. of Ireland, c, I, cl. 7 0 0. 13 18 11 0 16 New Blrch Tor and Vitfer Cons. t 1 6 6. 0 13 0. 0 2 West Basset, c, Illogaut. 1 10 0. 26 14 0. 0 5 Wheal Expouth, I, Christow 0 2 Wheal Mery Ann, I, Menheniott. 8 0 0. 7 534 614 59 17 6. 0 10

FOREIGN DIVIDEND MINES.

15000 Cape Copper Mining*† 7 0 0 101/2	10¼ 10¾ 2 12 6 0 10 0 April, 1866
1500 East Indian Coal, Calcutta 10 0 0	** ** ** ** ** **
25000 Fortuna, l. Spain*+ 2 0 0 21/2	2 21/2 1 3 4 0 3 0. Feb. 1866
10000 Gonnessa, 1, * [5000 £5 pd., 5000 £2 pd.]	7½ per cent, per annum.
15000 Linares, t. Spain*t	11 6 4 0 5 0 Jan. 1865
9275 New Wildberg, 1 2 0 0	
50000 Panulcillo, e*† 3 0 0 3	23/4 31/4 10 per cent Yearly.
10000 Pontgiband, s-l, Francet 20 0 0	2 19 8 0 16 8 Dec. 1865
97500 Port Phillip, g, Clunest 1 0 0 %	% % 0 15 6 0 1 0 July, 1866
20000 Scottish Australian Mining Co.t. 1 0 0	% % 0 0 3 0 0 3 Jan. 1866
11000 St. John del Rey, Brazil*† 15 0 0 49	48 50 68 15 0 4 0 0 June, 1866
50000 Victoria (London) [25000 £1 pd., 25000 12s. 6d. pd.]	0 90., 0 10.,Jan. 1866
	0 10 6 0 0 0 16 1500
40000 West Canada Mining Company 1 0 0	0 19 6 0 2 6 May, 1866

FOREIGN MINES WITH DIVIDENDS IN ABEYANCE.

10000 Aiten and Quænangen United, c*		10 0	-		 4	5	0	0	15	0. Nov. 1858
20000 Australian, c, South Australiat	7	7 6	-		 0	2	0	0	1	0June, 1865
2464 Burra Burra, c. South Australia.	5	0 0	****		 325	0	0	5	0	0 Dec. 1864
12000 Cobre Copper Company, c, Cubat.	40	0 0	4	 3 5	 101	0	0	1	0	0Jan. 1865
10000 Copiapo Mining Company, Chilit	16	0.0.	Property			18	0	0	10	0Nov. 1862
100000 Don Pedro No. del Rey, Brazil*		t4 0	1		 0	0	9	0	0	9. Dec. 1863
70000 English and Australian, c	5	0 0	-		 1	12	0	2	0	0Aug. 1864
25000 Gen. Mining Assoc., Nova Scotiat	20	0 0	21	 19 21						0. June. 1864
68000 Kapunda Mining Co., Australia+	1	0 0		 						0June, 1864
10000 Lusitanian (Portugal)	2	10 0								0June, 1865
103815 Mariguita and New Granadat	1	0.0								6July, 1859
43174 United Mexican, s. Mexico	28	5 0	13	9 91/						0. Sept. 1864
10000 Vancouver, clat	5	0 0	17	 /4						
	0		-		 0					0Nov. 1864
45000 Yudanamutana, c, S. A.*	3	0 0	_		 . 0	- 5	0	υ	- 5	0Aug. 1863

NON-DIVIDEND FOREIGN MINES.

	NON-DIVID	END FURE	IGN M	INES.	
100000 Anglo-Br 40000 Brittany 25000 Capula, s	Mines. azilian. g*† Silver-Lead Mines, Fran, Mexico*†	ice* [15750 18s. pd.]	0 80	1%1%	Dec. 1863
10000 Copiapo S 300 Copper M 50000 East del I	s. g. s. Nicaragua*† melting, Chili* iners' Co. of South Aust Rey, g. Brazil*†	ralia* [150 £100 pd	10 00	d.j ::	3July, 1866 April,1866 Nov. 1866 June, 1866
8000 English a 40000 Fortune, 50000 Frontino 80000 Great Noi	Silver Mining and Redu nd Canadian Mining Co c, West Australia* and Bolivia, g. New Gra thern, c, South Austral	mpany*inada*†ia*†	4 10 0 5 0 0 2 0 0 1 7 6 1 11 6	-14: 14	Jan. 1866 Fully pd. Fully pd. Aug. 1866 Sept. 1862
12000 Neroudda 50000 Nova Scot 15000 Otea, c. N 15000 Pachuca S	rier Land. Mining, &c., Coal and Iron* [6000 £], tia Land and Gold* iew Zealand* [5000 fully Silver Mining Company,	5 pd., 3000 £3 pd.] paid] Mexico*	5 0 0 1 15 0 1 10 0 1 0 0	= ::	Fully pd. Aug. 1865 Sept. 1865 April,1866 June, 1863
30000 Pescarena 23000 Quebrada 10178 Rhenish C	r Laud and Mineral*† g*† .c. Venezuela*† .cnsolidated, [6000 £5 periode, g. Brazil*	d., 4178 £2 10s. pd.]	1 10 0 0 10 0 0 0 7 6	2 :: 11/4	Stock. July, 1866
15000 San Pedro 10000 San Roqu 30000 Val Antig 6000 Val Sassa	o del Monte, s, Mexico* e, l. Spain coria, g*†		3 0 0 5 0 0 0 15 0 5 10 0	= :: = ::	Jan. 1866 Fully pd. July, 1866 April,1866
45000 Vallanzas 45000 Victor Em 20000 Washoe, a	ard Mining Company* ca. g. Italy* canuel. c. Italy* g. [10000 £5 pd., 10000 £4 c. South Australia* f. [2000 £5 pd., 20000 £4	pd.1	20 0 0 0 15 0 1 0 0	1 1/2	Fully pd.
7500 Yorke Per	insula, South Australia		1 0 0		% Fully pd. 2

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	Australasiat	40	0	0		68		67	69	
10000	Bank of Egypt+	25	0	0		30		28	30	
25000	Bank of Otago*†	10	0	0		-		5	7	
50000	Bank of Victoria, Australiat	25	0	0		41		38		
10000	Bank of New Zealandt	10	0	0		18		17		
25000	Bank of Oneensland*†	25	0			***			10	
50000	Brazilian and Portuguese* +	10	0	0		9				
8915	Canada Companyt	32	10			80		77	80	
50000	Canadian Loan and Investment*		10			11/6			Eng	
40000	Chart. Bank India, Aust. & Chinat	20	0			19		101/	201/6	••
20000	Char. Merc. India, Lond. & Chinat	95				37		36		
50000	City†	10	0			17		15		
20000	Colonial*		0		::		**	38		• •
40000	Company of African Merchants. * *	3	0		••			214		
150000	Consolidated Bank**	4	ő			5		51/4		
200000	Credit Foncier and Mobilier of England*†	8	0		::	5		47/9		
10000	Discount Corporation * *	90	0			10		278		
20000	East London*†	5	0		••	31/4	••	3	4	
30000	English, Scottish, & Aust., Chart.	90	0		**	19			181/6	
20000	English and Swedish*f	90	0			14		10		**
250000	General Credit and Finance of London *	6	0					41/6		
20000	Imperial Bank**	00	0			25	**	24		
150000	International Financial Society*†	20	0						120	
300000	International Land Credit*	0	0	7				9		
4000	London African Trading*†	10	0			-				
50000	London Chartd. Bank of Australiat	117			**	-		00		
37500	London and County	20	0			221/4		23		
40000	London Financial Association*†	20	0			64		64		
72000	London Joint-Stockt	25	0					12		
5000	London Mercantile Discount**	19	0	75		43		43	40	
10000	London and South-Western*†	10	0							
50000	London and Westminster	20	0			171/2		17		
50000	Mercantile and Exchange*	30	0	Τ.		92		95	96	
10156	Metropolitan and Provincial	11				-				
20000	Mineral Rights Association*	20	0	_		10		11		
90000	National of Australia	1	0			1				
20000	National of Australiat	4	0	*		6		5	G	
40000	National of Liverpool*†	10	0			14			14	
97500	National*	30				70		71	73	
40000	New South Walest	20)	0			4.5		43		
90000	Union of Australia*†	25				48		48		
6 -3000	Union of Londont	10	0	9	ę o	48		47	49	**

PR	OGR	RAR	ITYE	MINES.	

	PROGRESSIVE MINES.		Shares. Mines. Paid. Last Pr. Bus. done. L.	ant mile
		st Call.	4000 Penhale Wheal Vor t c 2 10 0	ug. 1888 uy, 1886
	1 3000 Budford Unit. c. Taylark \$ 2 6 8 az.		bood Pennalis, & St. Agags, & U., -	ay, 1866
1.7	1000 Blandyfirth, s.l. 200. —	ly, 1866 lly pd. r. 1866 ly, 1865	200 Pentre Lygan 19 20 0 0	歌播
id. 866 866	1248 Posciswell, t, c, St. Just 6 15 0 — 5000 Bottle Hill, t, Plympton 1 14 6 —	ne, 1866	1772 Polberro, t, St. Agnes 15 0 0 — 512 Polbreen, t, St. Agnes 8 0 0 —	ay, 1660 ully pd.
866 866	1600 Brixham Hematite Iron*. 6 7 6 —	n. 1866	86 12800 Prince of Wales, t, Calstock 0 10 0. 178238, 248,A	ully pd.
866 866	30000 Caldbeck Fells L Comber # 1 2 6 — Ju	ne, 1864 ly, 1866	12800 Prince of Wales, t Calstock 0 10 0. 1½ 238. 248. A.	nly, 1866 eb. 1866 eb. 1866 ec. 1866
866 866 866	4600 Camborne Vn. & Wh. Fran. 11 8 10	b. 1864 ly, 1866 n. 1866	2000 Resectiff and Tolcarnes . A 0 0.	ec. 1866
866 866		ril,1865 g. 1866	2573 Rosewarine Consols, c	eb, 1800 ug: 1800 uly 1800 uly 1800 ully pd uly, 1860 ar. 1860
866 866	1000 Carn Brea c, t, Illogan 21 0 0 17 6 20 6000 Carn Camborne, c, Camboi. 2 0 0 46 112 112 Jul	y, 1866	56 8000 Hosewell Hill and Ransom 3 10 8; 34; 34 1 A 3848 Rosewellner, United; c, si 4 0 4; 1 34 34 35 558 Rosewellner, c, camb. 4 5 0 4 5 0 35	11 y 11 4
866 866	600 Cardigan Cons. * [1000 25 pd. 3005 24 58. pd.] Ap 600 Cardigan hirr. b 10 0 0	ril,1866 r. 1866	56 20500 Snaefell, I, Isle of Man* 1 0 0	ully rd
866 866 866	2500 Cefn Cilcen, I, Flint* 2 18 0 Au	r. 1865 g. 1866	ag 6000 S. Alfred Cons., c. Phillack 1 0 0	ar. 1866 une, 1866 une, 1866
866 866		ril,1866 lly pd, g. 1866	1. 100 South Bryn Gwlog, t 7 0 0	ulv. 1886
866 866	3000 Chiverton Moor, I, Perranz. 5 11 0 6%6% 6% Au	g. •1866	36 South Carn Brea, c, mogan & 10 6	nly, 1862
866 866	16000 Coolartra & Bondersson & nd 10700 16s nd 1	ly, 1865 lly pd. p. 1865	2283 South Crenver, c. Crowan. 12 9 0.1	eb. 1806 ay, 1866 et. 1866
866 866	256 Condurrow, c, t, Camborne 76 10 0 25 40 5000 Connorree, c, sul, Wicklaw 1 0 0 Ful	ly pd.	1. 5000 So. Exmouth, l, Christow. 2 17 0	ug. 1866 cb. 1866
866 866	2450 Cook's Kitchen, c, Illogan. 19 14 9. 45 6 6 Jul	y, 1866 ie, 1866	56 5000 So. Foxdale, l, l. of Man* 3 10 0	ar. 1865 pril.1866
966 966	6500 Cornish Clay and Tin* 1 0 0 —	lly pd.	1. 2000 South Minera, l, Wendrum. 2 10 0	ar. 1866 ec. 1865
866 866	3000 Crenver & Wh. Abraham*. 4 0 0 — Ma	y, 1866 r. 1866 g. 1865	937 So. Wh. Crofty, c, Illogan. 24 10 10. 15 11 13 Fo	ay, 1864 eb. 1866 eb. 1865
866 866	2500 Crowan Consols c Chowan 5 11 0 Dec	1865	496 So. Wh. Frances, c, Illog. 18 18 9 13 15 20 6000 South Wheal Grenville, t, c 0 15 6 —	nne 1864
866 866	6000 Cuddra, t, St. Austell 4 18 6 — Jut 35000 Dale, l. North Stafford 1 0 0 5s 3s. 5s Ful	1e, 1866 ly pd.	102 South Wheat Leisure, t, c 1 10 0 4 3% 4 Ft 400 So. Wh. Seton, c, Camborne 72 13 0 —	ob. 1866 nly, 1866
866 866	4076 Deven and Cornwall c 6 6 3	ril,1866 y, 1866	80 2000 Houth Therend A 44	ec. 1865 ine, 1866
866	1024 Devon Wheal Lones, c* 17 0 0	y, 1866	4000 St. Day Unit., t, Redruth. 15 0 0	ny, 1866 ny, 1866 nly, 1886
	656 Ding Dong & Gulval 48 14 6	t. 1865 ie, 1864	949 St. Ives Consols, t, St. Ives. 9 15 0 71/4 6 7	av. 1866
865 865 865	3000 Dyfngwm, l, Wales 12 6 0 8 1000 Eaglebrook, l*	. 1865	8000 St. Just United, 2	tilly pd.
665 665	1000 East Basset and Grylls, t 3 5 0 Jul	y, 1865	5 920 Stray Fark, c, t, Cambornet 39 18 0 — 3 4J. 5 5000 Swincombe Vale, t* 0 12 6 —	ay, 1866 uly, 1866 ay, 1868
65 65	2000 East Buller, c, Gwennap 2 0 0 —	r. 1865 r. 1865 y, 1866	3500 Tin Hill, t, St. Austell 1 8 0 —	ov. 1868
65 865	2048 E. Falmouth, s-l, Kenwyn, 5 0 6 Apr	ril,1864 y, 1866 g. 1866	6000 Tolvadden, c, Marazion 1 10 0	n. 1866
65	4000 E. Gunnislake & S. Bed. c. 9 0 6 —	ril.1865	501 Tresavean and Trethurrup 15 10 U	pril,1866 ov. 1865
	3986 E. Providence t Uny Isl. 4 18 3	d. 1865 d. 1866 g. 1866		une, 1865 ari: 1866 in: 1866
66	5000 E. Tresavean, c. Gwennap. 0 10 0 —	y, 1865 1864	5 6400 Troedyrniw, (*	ar. 1868
66	6000 East St. Just, t* 3 0 0	1865	20000 Vale of Towy, I. Carmarth, 0 17 6	ept. 1984 ug. 1885
65	256 East Tolgus, c, Redruth 96 0 0	1866	66 4200 Vigra and Clogad, c. Doig. 5 0 0.1 =	ully pd. ully pd. ully pd.
65 66	2048 East Wheal Grylls, t, c. 3 10 0. —	y, 1866 y, 1866 r. 1866	1024 West Caradou, ct	Dril 1866
66 66 66	6000 Fortescue Consols 0 12 6	y, 1965	1000 West Cwm Erfin, l* 5 0 0 N. 2850 W. Condudrow, t. c; Cani. 12 11 3	ully pd. ov. 1865 ug: 1886
66	940 Fowey Con. c, Tywardreath & 1 6.:: Jun	ie, 1866 1866	6 10000 W Maria & Portagous Lava 2 0 0	eb. 1866 eb. 1866
	1026 Garden, t, Morvah 5 12 9	r. 1865 r. 1866 o. 1866	6 1000 West Nanty, l* 10 0 0	an. 1866
58 65	4000 Gawton, c, Tavistock 3 5 6 —	1866	1000 West Rose Down, c, Linkin. 16 0 0 —	ully pd. uly, 1866 [ar. 1865
64 65	30000 Glasgow Caradon Cons., c* 1 0 0 —	ly pd. t. 1865	1056 West Stray Park, c, Camb. 11 2 6	ane, 1865 ar. 1866
62 63	6000 Gothle, s-l, Cardigan 2 10 0 314274 314 Ful 486 Grambler and St. Amburt. 69 0 0 0 3 314.414 Jul	g. 1866 ly pd.	6 5000 W. Wh. Kitty, t, St. Agnes. 2 13 6. 34. 36 1/2 St. 10000 W. Wh. Martha c. Stoke 1 5 6.	ug. 1866 opt. 1866 uly, 1864
64 64 64	Mai Great Devon and Bedford. 2 10 0 Mai	y, 1866 11,1866 r. 1866	1360 W. Wh. Prosper, t, Lanivet 5 18 0 —	ct. 1861 ar. 1866
65 59	5000 Great Mona, l. Isle of Man 2 10 0	7, 1866 1. 1866	8000 Wheal Agar, c, Illogan 6 8 0	uly, 1866
64 64	5000 Great North Downs, c 5 8 0 — Jun 40000 Gt. Northern of Ireland* 0 10 0 —	ie, 1866	1 512 Wheal Buller, Redrutht 19 10 0 20 20 224 M	ug. 1866 ay, 1866 ay, 1866
63	6000 Great Retallack, s-l, b 1 17 0 % 34 Apr 6000 Great South Chiverton s-l, 1 9 6	1865 11,1866 v. 1866	6 6144 Wh. Damsel c. t. Gwennan 2 15 0.	ug. 1866 uly, 1861
72.	3000 Great West Chiverton, l 1 0 0 Jun	y, 1866 g. 1866 e, 1864	6 849 Wheel Freity Henrietta e 18 0 0	ec. 1866 uly. 1866
1	3313 Great Wheal Raddern t 7 17 6 Inn	e, 1863 y, 1866	4000 Wh. Emma, c. Buckfastlel. 3 19 0	uly, 1860 ug. 1860 ug. 1860
64	1798 Gt. Wh. Fortune, t, Breage 26 2 0 5 56 Jun 10000 Great Wh. Metal, Breage*. 2 0 0 —	e, 1866 7, 1865	6 4860 Wheal Hartley, c, Gwinear 2 10 1	lay, 1866 lay, 1866
66 66	2500 Grit and Stapeley, l* 10 0 0 — July 10240 Gunnisiake (Clitters'), t. c. 4 3 0 —	y, 1864	512 Wheat Jane, s-t, Kea 8 10 0	
86 86	6068 Gwydyr Pk. Con., Llanrwst 1 11 6 Feb	. 1866 t. 1864		nne, 186
1.	6400 Harwood, l, Durham* 0 6 0	1866	1 1000 Wh. Mary dutching, Plymp. 1 5 6	lay, 186 ug. 186
32 1.	7219 Hawkmoor, t. c. Calstock. 3 14 0	y, 1866 11,1865 e, 1866	6000 Wh. Norris, t, c, St. Cleer 4 6 1	ept. 186
55 55	3000 Leawood, c, l, Lydford 3 3 6 Jun	e, 1866 y, 1866 e, 1866		an. 186 ug. 186 ar. 186
33	963 Lelant Cons. t, Uny Lelant 35 0 0 Mar	1866	6 1500 Wheal Sarah, t. Lanivet 0 13 8	une 186
6	2000 Lower Park, I. Denbigh* 3 11 0Jan	e, 1866 . 1864	1920 Wh. Trannack, c, Sithney. 1 12 3	uly, 186 pril,186 ug. 186
6 4	6000 Maudlin, c. Lostwithiel 4 7 0 Max	7, 1865 . 1866	5 4006 Wheal Unv. t. c. Redruth., 10 10 0 114 114 114 11	ug. 186 une, 186
6	3000 Minera Western Boundry* 0 2 6	. 1863 . 1865	6000 Wheal Union, c, Redruth 5 1 11. —	une, 186
6	640 Mount Pleasant, l, Mold . 4 0 0	. 1866	-	
6	950 Nanty Mines / Montgom 90 0 0	y pd. 1865	The second secon	
	24000 New Cornish [12000 £1 pd., 12000 12s. pd.]	1864	4 20000 Anglo-Mexican Mintt 10 0 0 — 15 17	
-	6000 New East Birch Tor, t 1 2 6Jun	e, 1866 e, 1865	6 600000 Atlantic Telegraph*†100 0 06797½ 102	
-	6514 New E. Russell, c. Tavistk. 0 10 6	7, 1865 1, 1866	coon British American Landt 44 0 0 90 95	
	6400 New Pembroke, t, c 0 19 0 — July 5755 New Treleigh, c, Redruth 4 8 0 —	7, 1866 7, 1866		
	470 Newtonards Min. Co. Down 50 0 0	, 1866	6 20000 City Offices*7 15 0 0,. 3 5 6	
1	4096 New Wheal Lovell, t 1 9 0—	y pd.	6 20000 Consoligated Discount*t., 12 10 0.,	
1	6000 North Chiverton, l 2 6 0 June	e, 1866 7, 1866	8 20000 E. Indian Land, Credit 1. 10 0 0 3	

863	6000	Wheal Union, c, Redruth 5 1 11 June, 18
865	0000	The care of the ca
866		
pd.		
865		MISCELLANEOUS.
866	60000	Anglo-American Telegr.*† 10 0 0 111/2161/2 17
864	20000	Anglo-Mexican Mintt 10 0 0 15 17
866		Atlantic Telegraph*†100 0 0 67971/2 102
865	20000	Australian Agriculturalt. 20 10 0 20 18 20
866	25000	Bolckow, Vaughan* + 17 10 0 18 21
865	6000	British American Landt 44 0 0 20 25
866	5348	Brit. & Irish Mag. Teleg. * 100 0 0 77 82
888	27000	ChinaStmship&Lab.Coalt 11 0 0 2
866		City London Real Prop. * 5 0 0 3 21/6 31/6
866	20000	City Offices*1 15 0 0 3 5 6
	50000	Commercial Uni. (Insu.) \$ 5 0 0 614 6 61/4
866	20000	Consolidated Discount* 12 10 0
pd.	42000	Copper Miners of Eng. + [2000 £25 pd., 40000 £100 pd.]
866		Cred. Fonc. of Mauritius + 10 0 0 7 61/4 71/4
866	20000	E. Indian Land, Credit* 10 0 0 3
866	80000	Ebbw Vale Iron Co. * † 23 0 0 13
866		Egyptian Com. & Tradg. * 9 0 0 3% 3% 4
866	879976	Electric Telegraph †100 0 0., 135 134 139
866	20000	English and For. Credit* 7 10 0 21/4 81/4
865	10000	Eng. & Scottish Marine * 5 0 0 3
866	25000	Fairbairn Engineering*t. 5 0 0 5%
	20000	Fore-street Warehouse** 10 0 0 10% 11 11%
865	5000	Freehold Ld. & Brickm.* 4 0 0 May, 18
pd.	20000	General Stm. Kavigationt 14 0 0 98 25 27
864	4000	Hollybush Col. and Coke* 5 0 0 May, 18
866		Home and Cooln. Assur. * 5 0 0 214
866	100000	Hudson's Bayt 20 0 0. 1616%16%
866		Humber Iron works* + 20 0 0
	80000	Im. Land Co. Mersailles 10 0 0 3431/4 31/4
866	100000	Imperial Mercan. Credit*† 7 10 0
866		Joint-Stock Discount* 10 0 0
866	20000	London and Caledonian*† 5 0 0,. 3
865	12060	London Dist. Telegraph * 5 0 0 14 1 1/2
866	148525	London Gen. Omnibus *† 4 0 0,. 3%3% 3%
	5000	London and Glas. Engl. *† 20 0 0. 7 . 6 7
866	64560	London & Prov. Marine*† 2 0 0 21/4 2 21/4
866	40000	Millwall Ironworks*† 5 0 0
866	15060	Royal Mail Steam*† 60 0 0 111 108 112

b, blende; cl, coal; c, copper; g, gold; l, lead; s, silver; sl., slate; s-l, sfiver-lead; t, tin; z, zinc.

- *, * Companies marked thus * have been incorporated with Limited Liability; those marked † have been admitted on the Stock Exchange,
- *.** Our object being to make the Share List correct, we earnestly call upon those who have the power to aid us, by forwarding any alterations or correction which may, from time to time, come under their notice. To share iolders, as well as those officially connected with the mines, we appeal for information. Reports from mines—in fact, mining intelligence of every description, forwarded to our office will meet with ready attention.

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